SEE SHEET 4 OF 59 FOR UTILITY PLAN NOTES

SITE KEY
NOT TO SCALE

A B C D

WOOLSTOWN ROAD (AKA FALSON LANE)

EASTON LINE

TAX LOT 25
N/F PALLU ASSOC. LLC C/O
DR. SAGIR, PL. 30

GRAPHIC SCALE
1 INCH = 20 FT.

GRADING/UTILITY GRAPHIC LEGEND

EXIST. GAS VALVE	EXIST. BUREAUMAN WELL	PROP. WATER VALVE	EXIST. CURB LINE	EXIST. UNDERGROUND ELECTRIC SERVICE (ALL & SIZE OF CONDUIT NOT SHOWN)	EXIST. SPOT ELEVATION
EXIST. LIGHT POLE	APPROX. SOIL PIT LOCATION	PROP. GAS VALVE	PROP. CURB LINE	PROP. UNDERGROUND ELECTRIC SERVICE (ALL & SIZE OF CONDUIT NOT SHOWN)	EXIST. GUTTER ELEV.
EXIST. ELECTRIC LIGHT	EXIST. TIRE PYRAMID	PROP. STORM ELEMENT	EXIST. ELECTRIC LINE	EXIST. SHADOW SOFFIT LINE	EXIST. TOP OF CURB ELEV.
EXIST. SHADE BOX LIGHT	EXIST. WATER VALVE	PROP. SHADOW ELEMENT	PROP. ELECTRIC LINE		EXIST. FINISH FLOOR ELEV.
EXIST. FLOOD LIGHT POLE	EXIST. GAS VALVE	PROP. AREA LIGHT	EXIST. FIBER OPTIC LINE	EXIST. STORM SEWER LINE	EXIST. GARAGE FLOOR ELEV.
EXIST. TRAFFIC SIGNAL POLE	EXIST. GAS METER	PROP. GARAGE STRUCTURE	PROP. FIBER OPTIC LINE	PROP. SHADOW SEWER LINE	PROP. GARAGE SPOT ELEV.
EXIST. BOLLARD	EXIST. ELECTRIC METER	PROP. GARAGE BOLLARD	EXIST. GAS LINE		PROP. TOP OF CURB & THRESHOLD GARAGE ELEV.
EXIST. "A" INLET	EXIST. ELECTRIC BOX	PROP. SHADOW BOX BOLLARD	PROP. GAS LINE	EXIST. STORM SEWER LINE	PROP. GARAGE FLOOR ELEV.
EXIST. "B" INLET	EXIST. ELEVATOR BOX	PROP. "A" INLET	EXIST. OVERHEAD WIRES	PROP. STORM SEWER LINE	PROP. TOP OF WALL & PARAPET WALL & TOP OF WALL BETWEEN TOP WALL PARAPET TO BE DETERMINED BY WALL DESIGNER
EXIST. "C" INLET	EXIST. WELL	PROP. "B" INLET	PROP. OVERHEAD WIRES	EXIST. WATER SERVICE & ELEMENTS	
EXIST. "D" INLET	EXIST. WATER SHUT OFF VALVE	PROP. "C" INLET	EXIST. TELEPHONE LINE	PROP. WATER SERVICE & ELEMENTS	
EXIST. TWIN INLET	EXIST. TELEPHONE BOX	PROP. TWIN INLET	PROP. TELEPHONE LINE	EXIST. FIRE SERVICE & ELEMENTS	
EXIST. MANHOLE	EXIST. CABLE TV BOX	PROP. "D" INLET	EXIST. WATER LINE	PROP. FIRE SERVICE & ELEMENTS	
EXIST. UTILITY POLE	EXIST. HYDRANT	PROP. FLARED END SECTION	PROP. WATER LINE	PROP. DIRECTION OF DRAINAGE FLOW ARROW	

DYNAMIC ENGINEERING

PROJECT: PALLU ASSOCIATES, LLC
MIXED USE DEVELOPMENT
NEW PARK PROFESSIONAL DEVELOPMENT
BLOCK 30.01, LOT 25
TEXAS ROAD & WOOLSTOWN ROAD
TOWNSHIP OF MONTGOMERY, MONMOUTH COUNTY, NEW JERSEY

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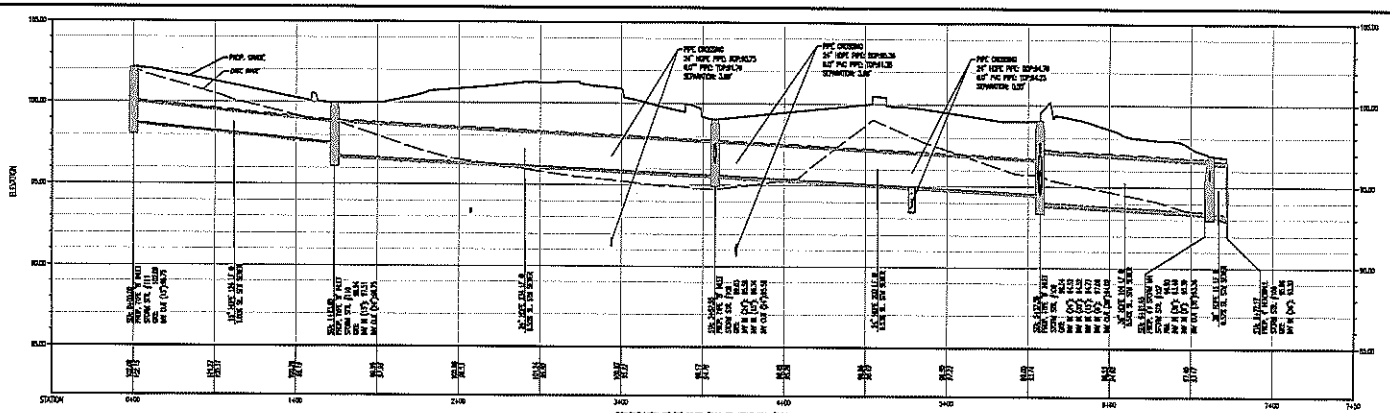
STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 45916

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41486

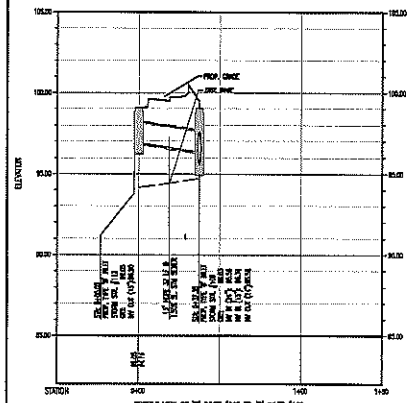
TITLE: UTILITY PLAN 'D'

SCALE: 1"=20' | DATE: 11/17/20
PROJECT No. 23411-99-001

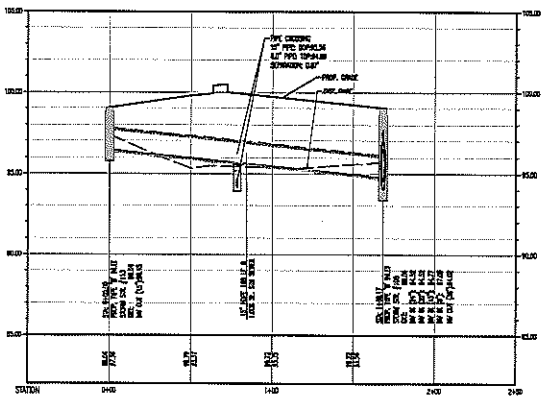
SHEET No. 26 OF 59 | Rev. 0



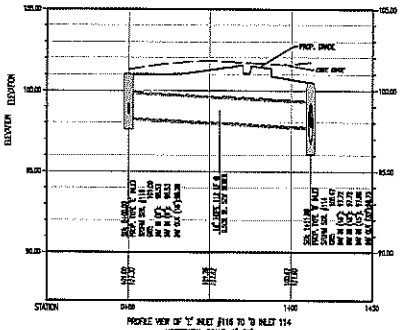
PROFILE VIEW OF "B" INLET #111 TO HEADWALL #106
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



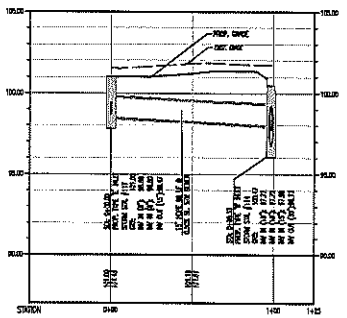
PROFILE VIEW OF "B" INLET #112 TO "B" INLET #109
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



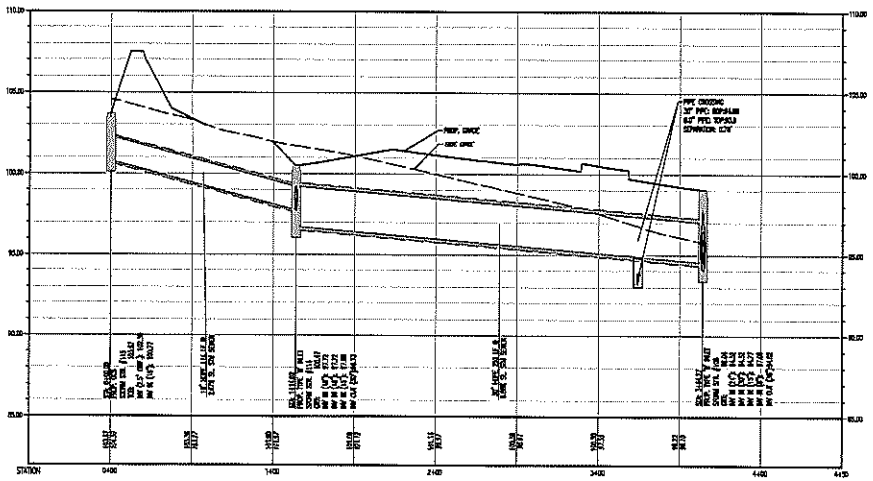
PROFILE VIEW OF "B" INLET #113 TO "B" INLET 108
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



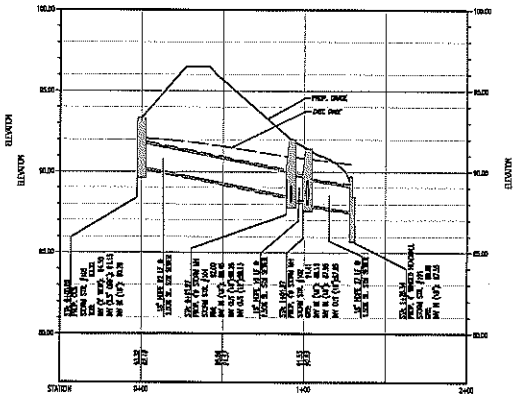
PROFILE VIEW OF "E" INLET #116 TO "B" INLET 114
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



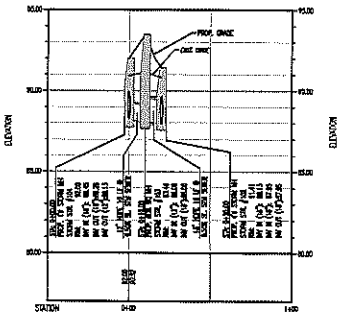
PROFILE VIEW OF "E" INLET #117 TO "B" INLET 114
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF OCS STR #115 TO "B" INLET 108
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF OCS STR #105 TO HEADWALL #101
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF MANHOLE #104 TO MANHOLE #102
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'

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STEVEN R. CATTANI
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NEW JERSEY LICENSE No. 19916

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 19916

TITLE: STORM PROFILES

SCALE: 1"=30'
DATE: 11/17/20
PROJECT No. 2541-99-001

SHEET No. 27 OF 30
Rev. 0

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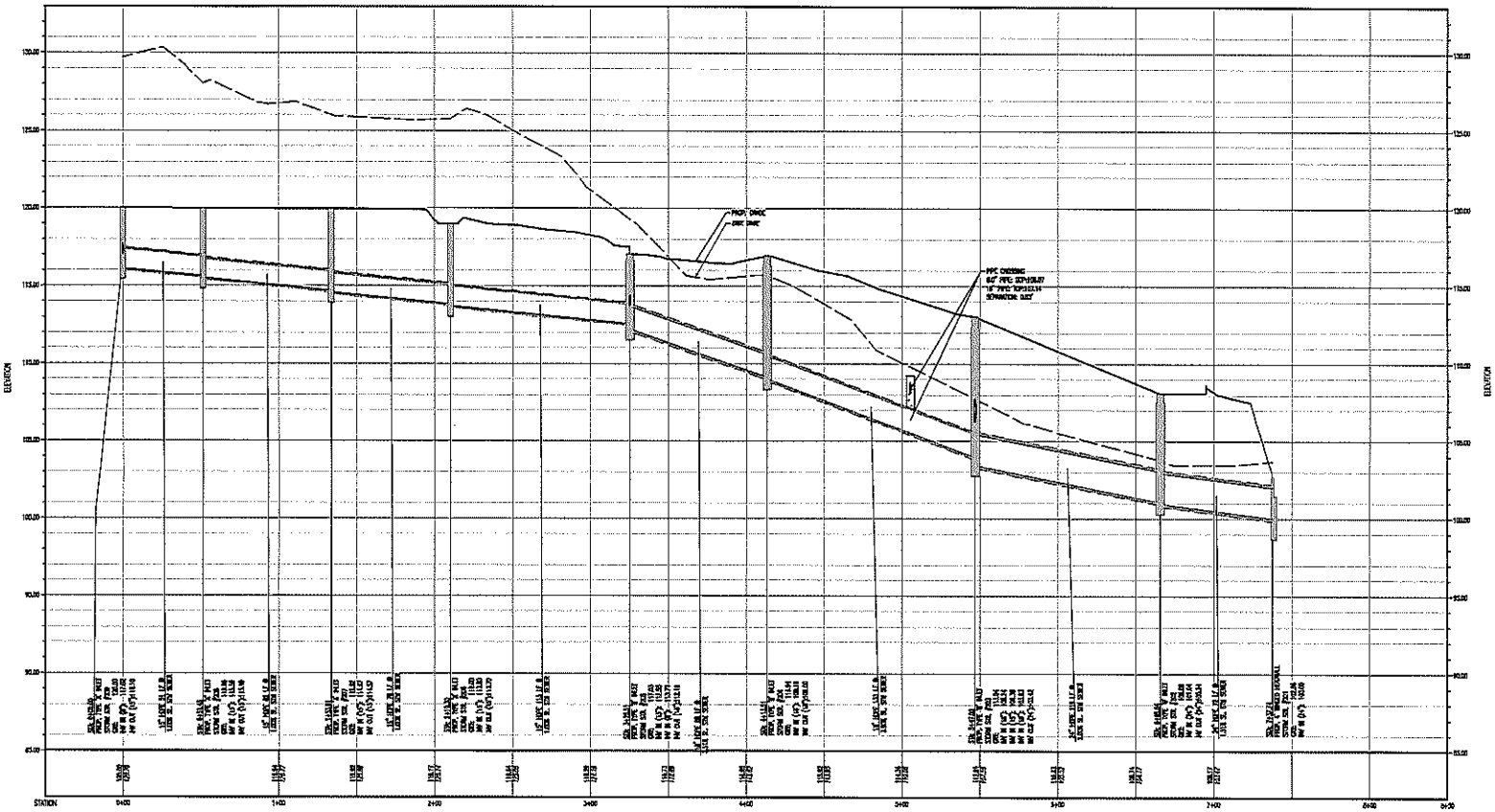
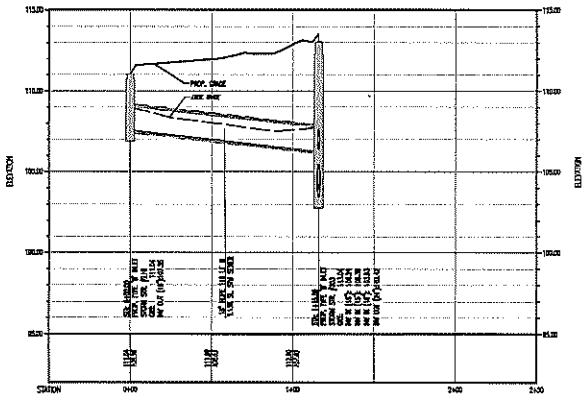
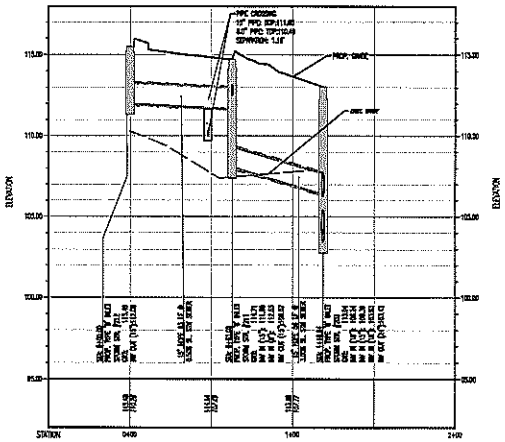


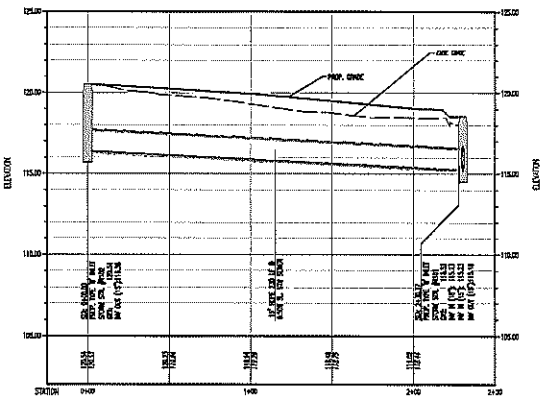
PROFILE VIEW OF "A" INLET #209 TO HEADWALL 201
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF "B" INLET #210 TO "B" INLET #203
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF "B" INLET #212 TO "B" INLET #203
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF "B" INLET #102 TO "B" INLET #101
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'

DYNAMIC ENGINEERING CONSULTANTS, PC

NO.	DATE	COMMENTS	BY

STORM PLANS NOT IN FINAL CONSTRUCTION PERFORMANCE ONLY AND ULAY DUE TO SOLED PLAN COORDINATION

DRAWN BY: AJW | SCALE: NONE | DATE: 11/17/20 | REVISED BY: SAM | DATE: DEC | REVISED BY: | DATE:

PROJECT: PALLU ASSOCIATES, LLC
HOPE PARK RESIDENTIAL DEVELOPMENT
TEXAS ROAD & U.S. RT. 1
TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY

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STEVEN R. CATTANI
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NEW JERSEY LICENSE No. 46914

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41000

TITLE: STORM PROFILES

SCALE: 1"=30' | DATE: 11/17/20
PROJECT No. 2041-09-001

SHEET No. 28 OF 50 | REV. 0

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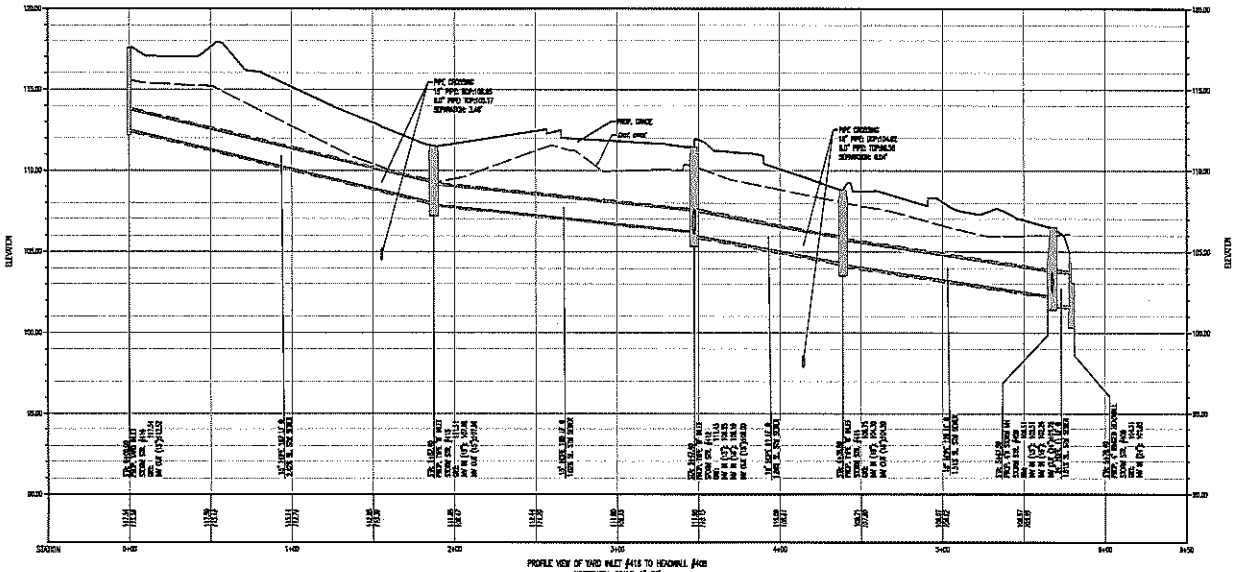

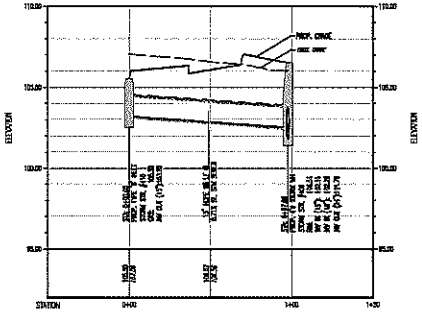

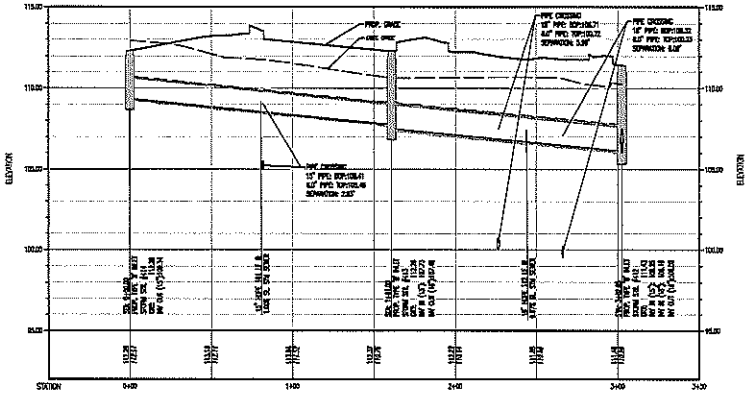

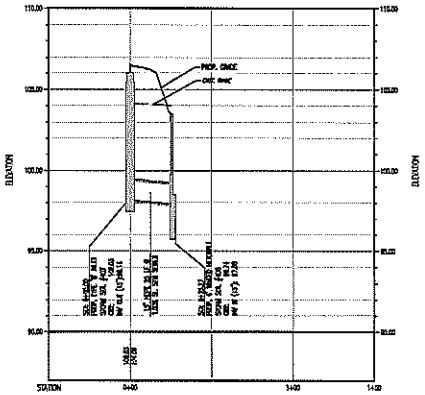

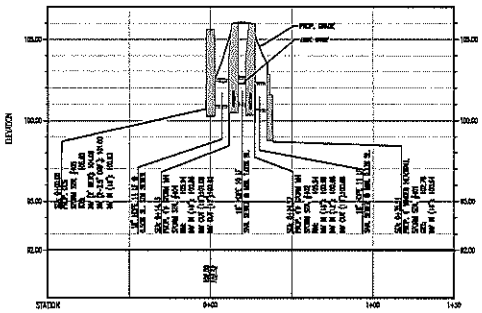

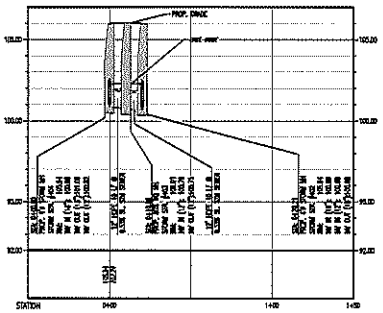

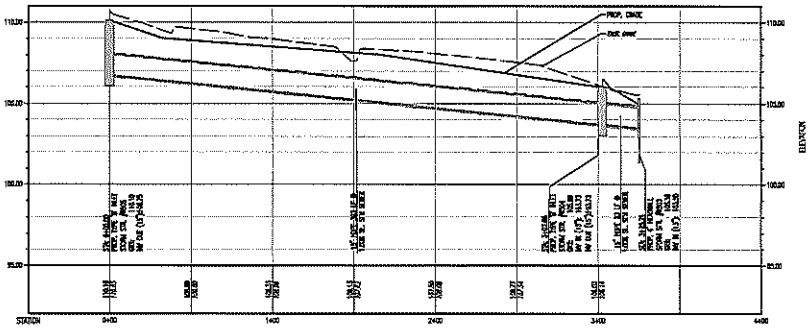

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STORM PLANS NOT IN RED DESIGNATED BUILDING AREA
GRAY AREA TEXT DOES NOT SEE WORK THIS CONTRACT

PROJECT: PALLU ASSOCIATES, LLC
PROJ. NAME: CONDOMINIUM AT HELMPORT
TOWN HOUSE & FLOOR LIFE
TOWNSHIP OF NEWTOWN, NEWTOWN COUNTY, NEW JERSEY

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STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 46614

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41866

TITLE: STORM PROFILES

SCALE: 1"=30' | DATE: 11/17/20
PROJ. No. 2841-09-001

SHEET No. 29 OF 50 | Rev. 0

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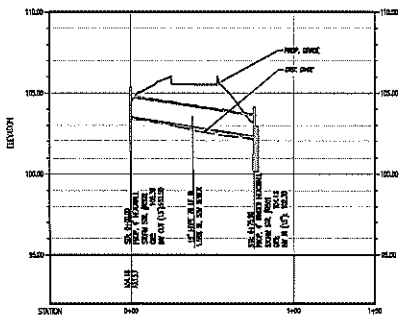
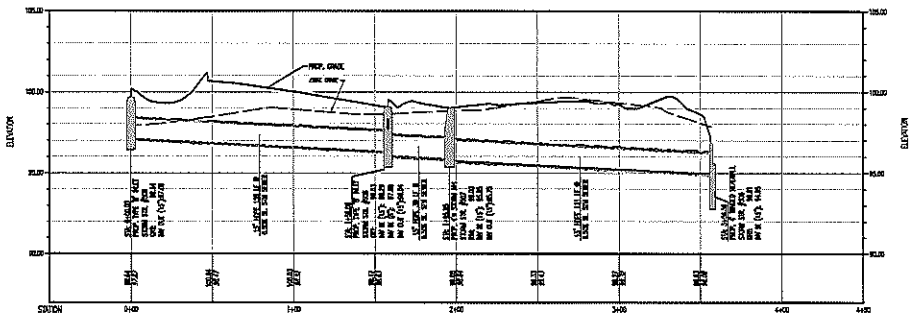
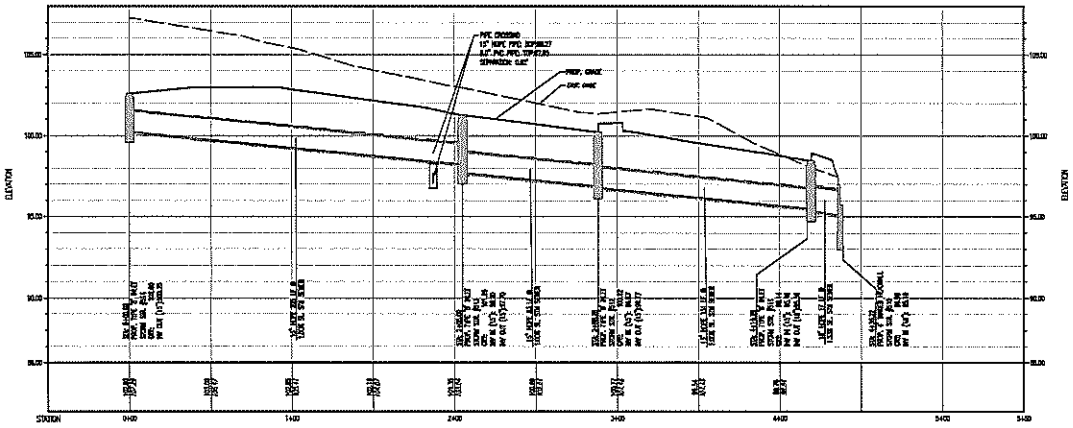


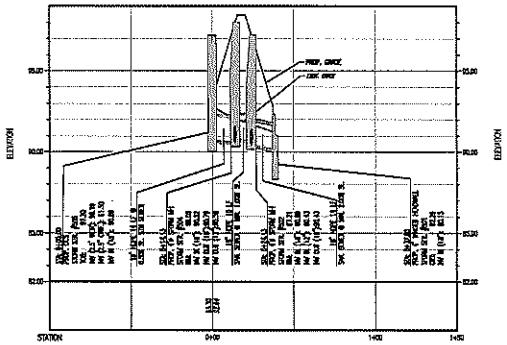
PROFILE VIEW OF HEADWALL #S502 TO HEADWALL #S501
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



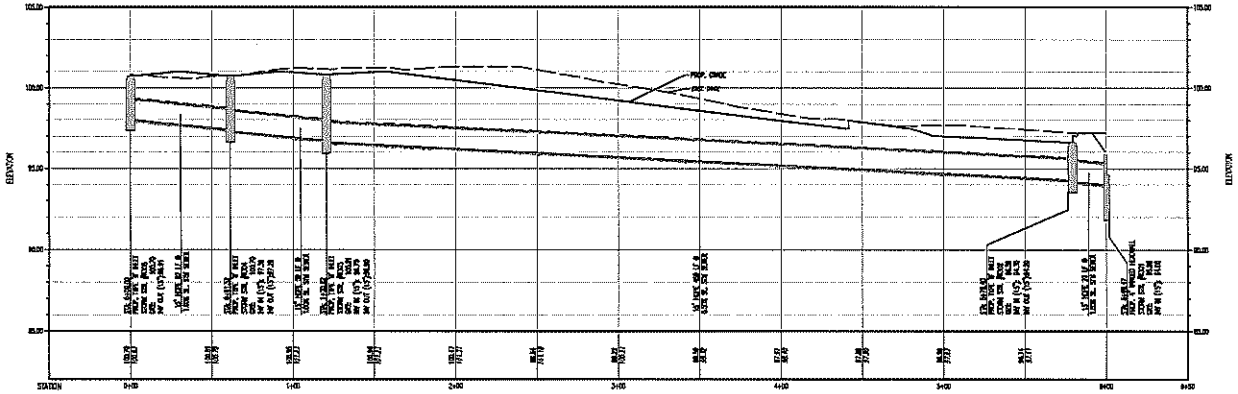
PROFILE VIEW OF 'B' INLET #S504 TO HEADWALL #S506
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



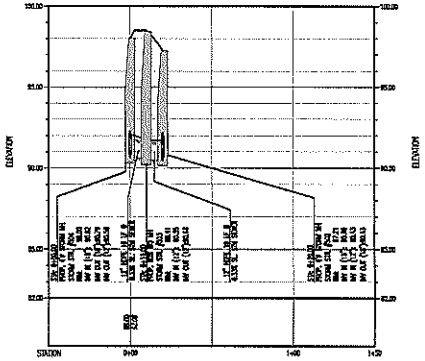
PROFILE VIEW OF 'B' INLET #S514 TO HEADWALL #S510
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF SCS STR #S505 TO HEADWALL #S501
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF 'B' INLET #S505 TO HEADWALL #S501
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF MANHOLE #S04 TO MANHOLE #S02
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'

DYNAMIC ENGINEERING

STORM GRADE MAY BE WATER SUBMERGED UNDERNEATH
GRADY BOND EASY DOT BIS WHERE STATE ENCROACHMENTS

DATE	DESIGN	DRAWN	CHECKED
N/A	TMS	JMC	SRC

PROJECT: PALLU ASSOCIATES, LLC
BLOCK 1101, LOT 1.01
ROCKY HILL ROAD & STELLA LANE
TOWN OF HOPEWELL, MONMOUTH COUNTY, NEW JERSEY

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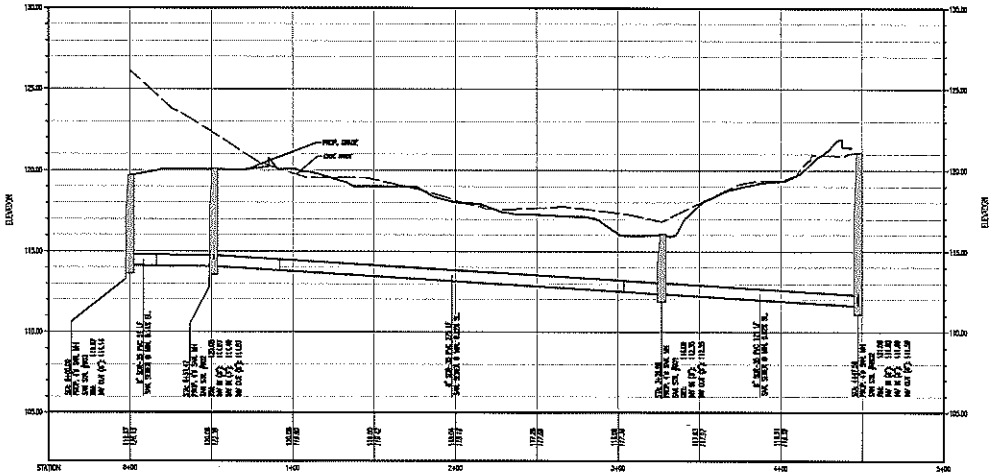
STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 46804

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41366

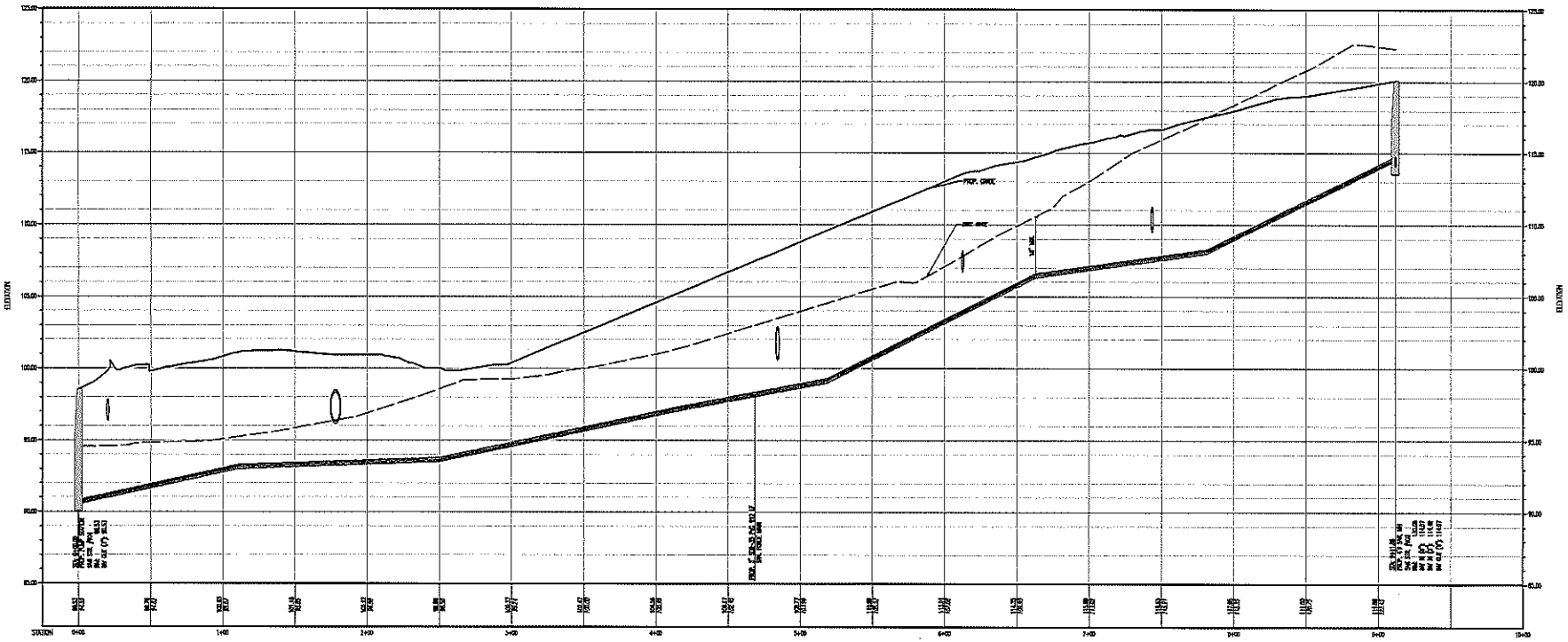
TITLE:
STORM PROFILES

SCALE: 1"=30'
FT.
DATE: 11/17/20
PROJECT No. 2041-99-001

SHEET No. 30 OF 36
REV. No. 0



PROFILE VIEW OF MANHOLE #003 TO MANHOLE #002
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF PUMP STATION TO MANHOLE #002
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'

DYNAMIC ENGINEERING
CONSULTANTS, INC.
• SURVEY • TRAFFIC

REV.	DATE	COMMENTS	BY

STORM WATER SEWER OR SEWER CONSTRUCTION UNDERGROUND UTILITY AND GAS LINES FOR SOUTH PARK GROUNDWATER

DRAWN BY: AJW | CHECKED BY: SRC | DESIGNED BY: SRC | APPROVED BY: BWS

PROJECT: PALLU ASSOCIATES, LLC
MIXED USE DEVELOPMENT
BLOCK 1.01, LOT 1.01
TOWNSHIP OF MANSFIELD, BURLINGTON COUNTY, NEW JERSEY

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Offices throughout the United States
www.dynamicpa.com

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NEW JERSEY LICENSE No. 44614

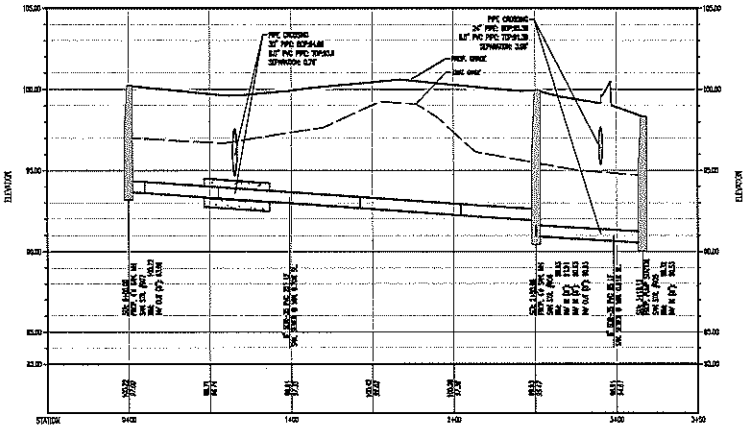
BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 11596

TITLE:
SANITARY PROFILES

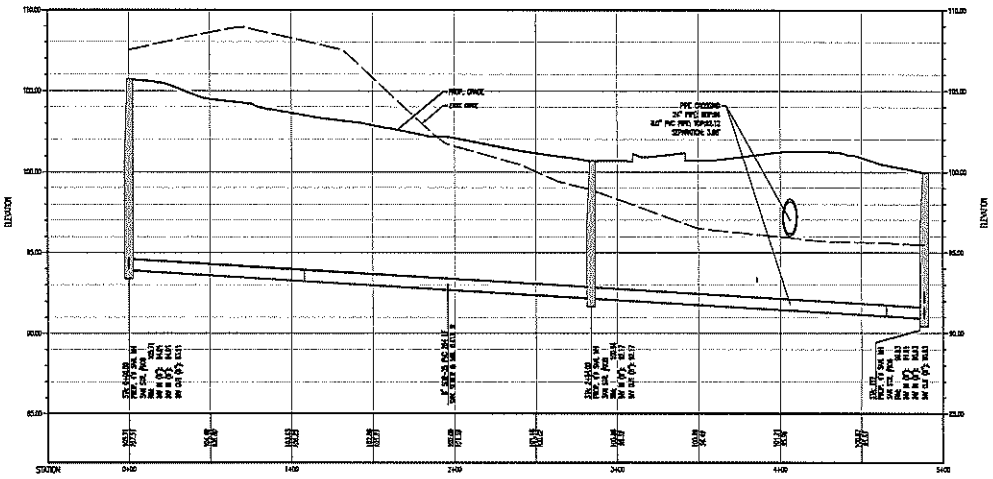
SCALE: 1"=30' | DATE: 11/12/20

PROJECT No. 2341-03-001

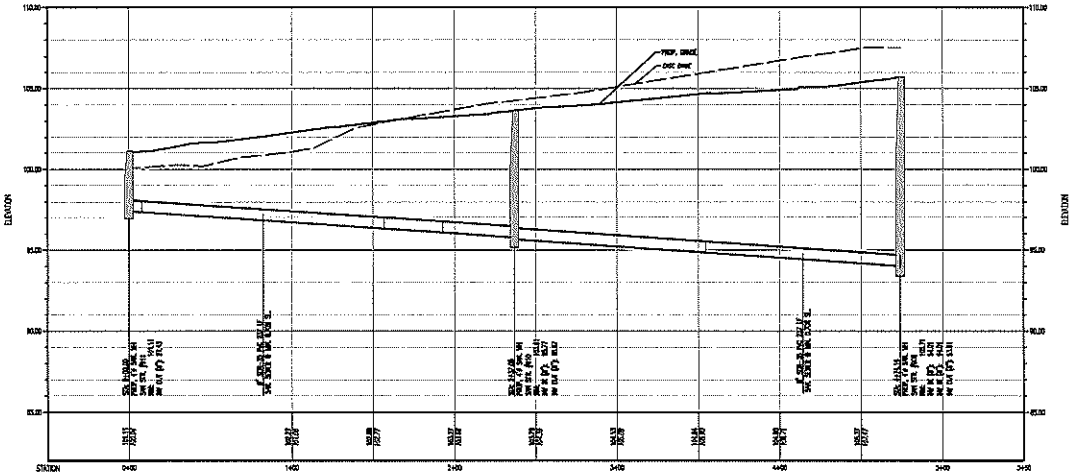
SHEET No. 31 OF 36 | Rev. 0



PROFILE VIEW OF MANHOLE #907 TO PUMP STATION
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF MANHOLE #900 TO MANHOLE #905
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



PROFILE VIEW OF MANHOLE #911 TO MANHOLE #909
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'

DYNAMIC ENGINEERING

REV.	DATE	COMMENTS	BY

THIS PLAN SET IS FOR DESCRIPTIVE PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION

DESIGN BY: ____ DRAWN BY: ____ CHKD BY: ____ APP: ____ SCALE: ____ DATE: ____

PROJECT: PALLU ASSOCIATES, LLC
PROPOSED SANITARY SEWER EXTENSION
BLOCK 11.01, LOTS 10 & 16
1010 ROUTE 130 NORTH
TOWNSHIP OF BURLINGTON, MONMOUTH COUNTY, NEW JERSEY

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www.dynamicusa.com

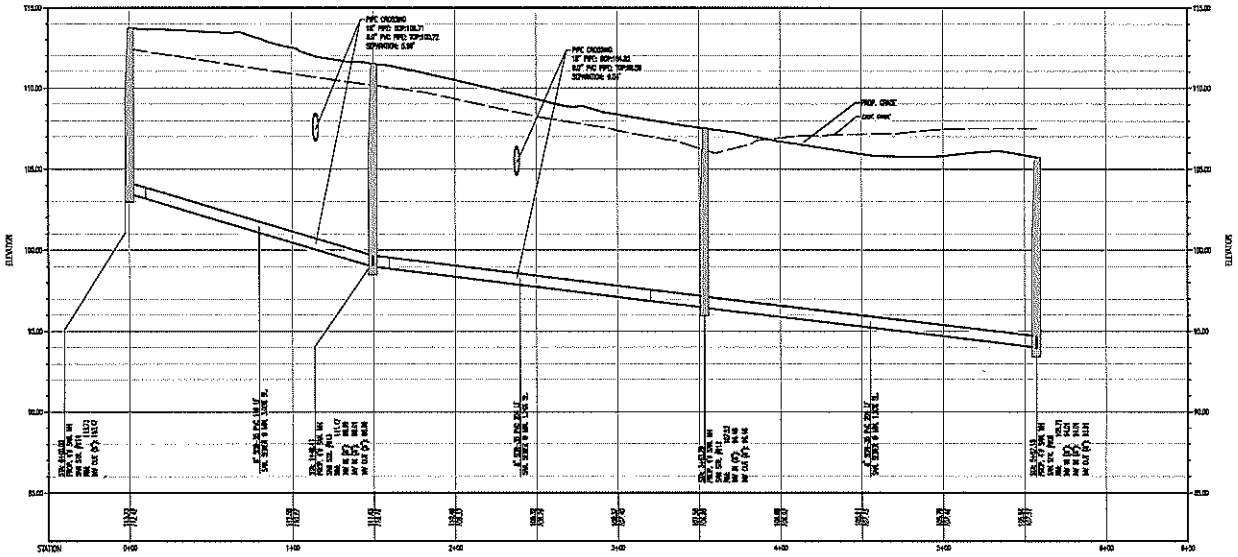
STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 40014

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41346

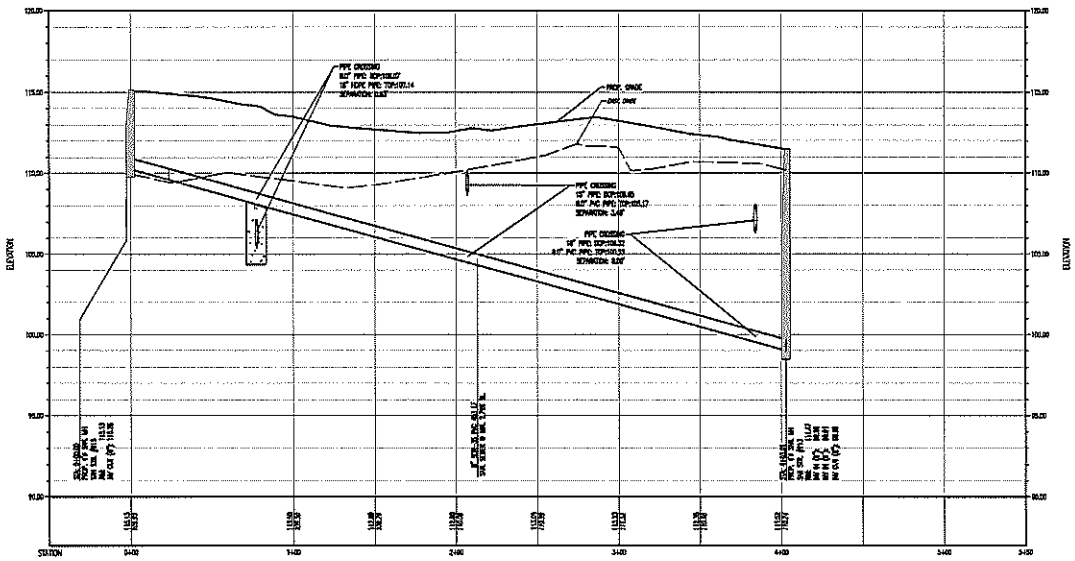
TITLE:
SANITARY PROFILES

SCALE: 1"=30' | DATE: 11/17/20
PROJECT No. 2541-98-001

SHEET No. 32 OF 58 | REV. 0



PROFILE VIEW OF MANHOLE #914 TO MANHOLE #909
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=5'



PROFILE VIEW OF MANHOLE #915 TO MANHOLE #913
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=5'

DYNAMIC ENGINEERING

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Newtown, PA 18940
T: 267.685.0274 | F: 267.685.0341

STEVEN R. CATTANI
PROFESSIONAL ENGINEER

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER

TITLE: SANITARY PROFILES

DATE: 11/17/23
PROJECT #: 2041-40-001

SHEET No. 33 OF 50

SEE SHEET 4 OF 59 FOR LANDSCAPE PLAN NOTES

THIS PLAN IS FOR GRAPHICAL REPRESENTATION PURPOSES ONLY. NOT FOR CONSTRUCTION

SITE KEY

PROP. TREE PROTECTION FENCE

TEXAS ROAD

WOOLLEYTOWN ROAD (AKA PAISON LANE)

GRAPHIC SCALE

DYNAMIC ENGINEERING

826 Newtown Yardley Road, Suite 201
Newtown, PA 18940

STEVEN R. CATTANI
PROFESSIONAL ENGINEER

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER

TITLE: OVERALL LANDSCAPE PLAN

DATE: 11/17/20

PROJECT NO. 2541-99-001

SHEET No. 34 OF 59

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

SEE SHEET 4 OF 50 FOR LANDSCAPE PLAN NOTES

PROP. TREE PROTECTION FENCE

TAX LOT 26
N/F DALLU ASSOCIATES, LLC
DEL. BANK, PIC 3411

SITE KEY

GRAPHIC SCALE

DYNAMIC ENGINEERING

PROJECT: PALLU ASSOCIATES, LLC
MIXED USE CONDOMINIUM DEVELOPMENT
TAX MAP 4, LOT 26
TOWNSHIP OF MONMOUTH, MONMOUTH COUNTY, NEW JERSEY

PROJECT NOTICE

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Offices conveniently located at:

STEVEN R. CATTANI

PROFESSIONAL ENGINEER

BRETT W. SKAPINETZ

PROFESSIONAL ENGINEER

TITLE

LANDSCAPE PLAN 'A'

11/17/20

2541-99-001

SHEET No. 35 OF 50

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

SEE SHEET 4 OF 59 FOR LANDSCAPE PLAN NOTES

PROP. TREE PROTECTION FENCE

WOOLEYTOWN ROAD (AKA FALSON LANE)

SITE KEY

NOT TO SCALE

GRAPHIC SCALE

1 INCH = 30 FT.

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Offices conveniently located at:

www.dynamicengineering.com

STEVEN R. CATTANI

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 40014

BRETT W. SKAPINETZ

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41988

TITLE:

LANDSCAPE PLAN 'B'

DATE: 11/17/20

PROJECT No. 2841-09-001

SHEET No. 36 OF 59

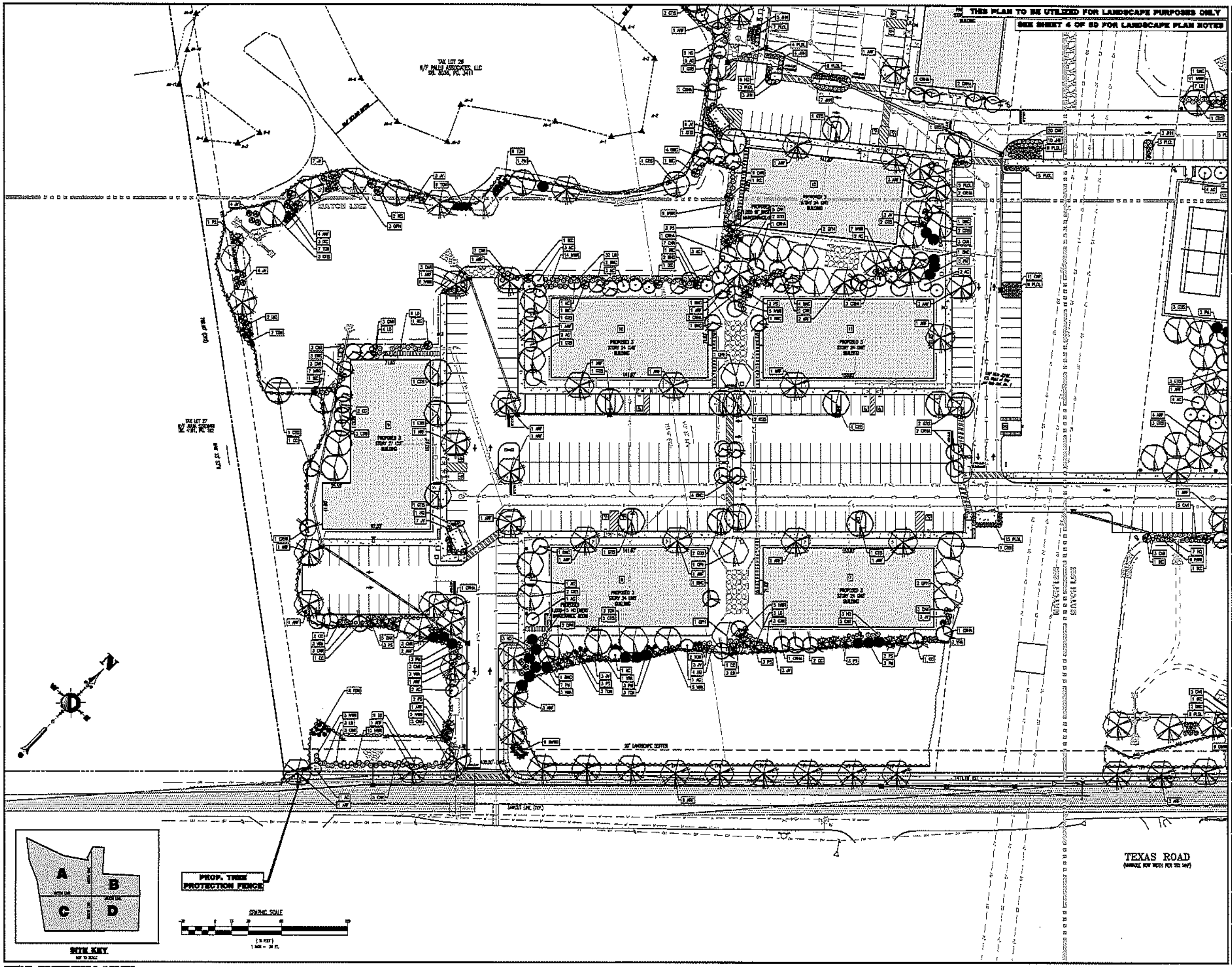
Rev. 0

STOP! PLEASE REFER TO WATER DISTRIBUTION ENGINEER
USE AT YOUR OWN RISK UNTIL SEE SEALED FOR CONSTRUCTION

DATE | REVISION | INITIALS

PROJECT: PALLU ASSOCIATES, LLC
MIXED USE RESIDENTIAL DEVELOPMENT
TAX MAP 1, BLOCK 1, LOT 1.01
TOWNSHIP OF WOOLWICH, GLOUCESTER COUNTY, NEW JERSEY

NO.	DATE	REVISION	BY



DYNAMIC

PROJECT: PALLU ASSOCIATES, LLC

TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

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STEVEN R. CATTANI
PROFESSIONAL ENGINEER

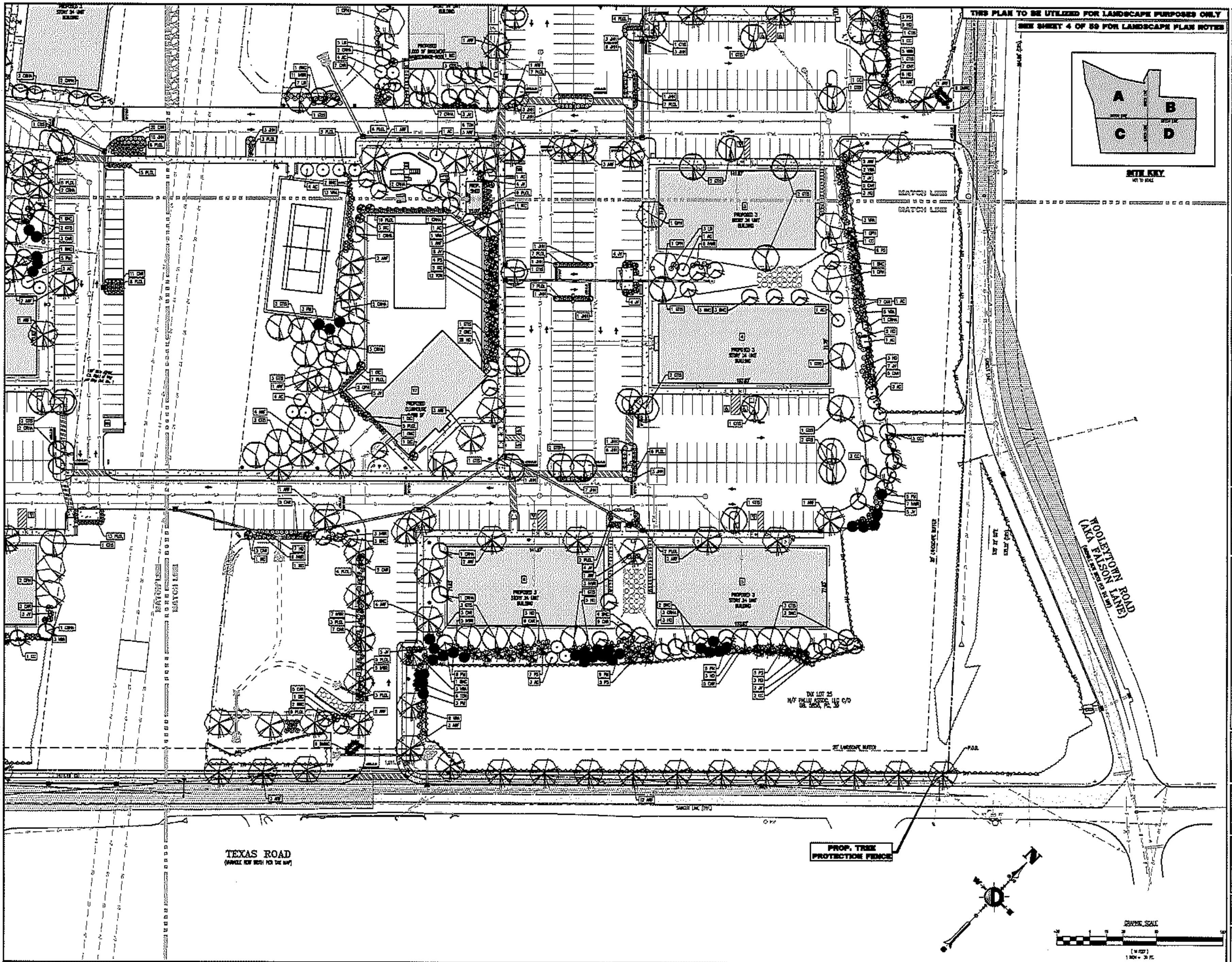
BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER

LANDSCAPE PLAN 'C'

DATE: 11/17/20

PROJECT No: 2841-08-001

SHEET No: 37 of 50



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PROJECT: PALLU ASSOCIATES, LLC
BLOCK 114, LOTS 25 & 28
TEXAS ROAD & FALSON LANE
TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

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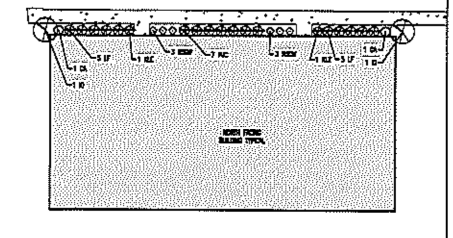
STEVEN R. CATTANI
PROFESSIONAL ENGINEER

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER

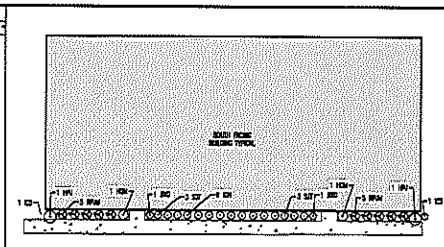
TITLE: LANDSCAPE PLAN 'D'

SCALE: 1" = 30'
DATE: 11/17/20
PROJECT No.: 2841-99-001

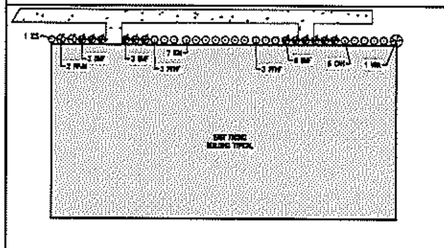
SHEET No.: 38 OF 59
REV. #: 0



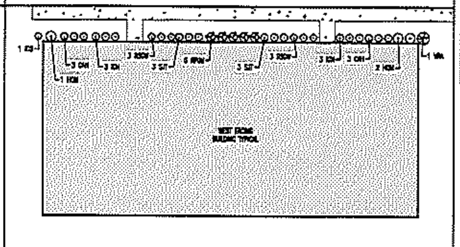
NORTH FACING BUILDING FOUNDATION PLANTING DETAIL



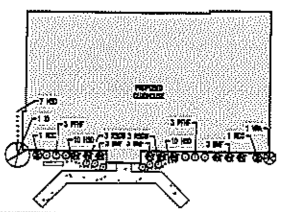
SOUTH FACING BUILDING FOUNDATION PLANTING DETAIL



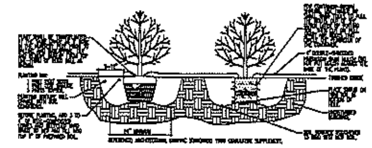
EAST FACING BUILDING FOUNDATION PLANTING DETAIL



WEST FACING BUILDING FOUNDATION PLANTING DETAIL

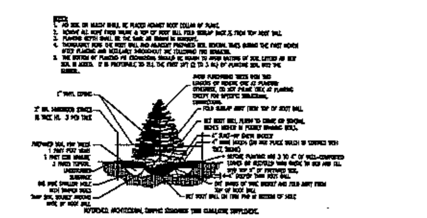


CLUBHOUSE LAYOUT FOUNDATION PLANTING DETAIL



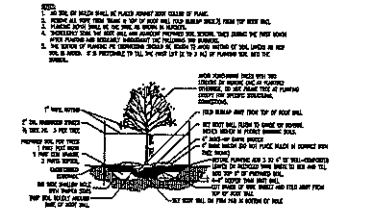
DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL

NOT TO SCALE



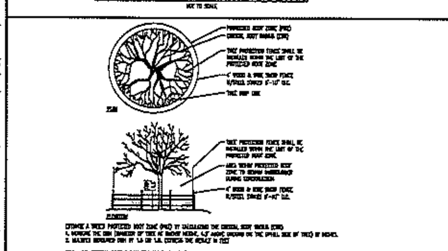
EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE



DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE

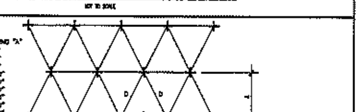


TREE PROTECTION DURING SITE CONSTRUCTION DETAIL

NOT TO SCALE

PERENNIAL/GROUND COVER PLANTING DETAIL

NOT TO SCALE



SPACING "D"	SPACING "A"
4" O.C.	3.33"
6" O.C.	5.20"
10" O.C.	8.66"
12" O.C.	10.40"
15" O.C.	13.00"
18" O.C.	15.60"
24" O.C.	20.80"
30" O.C.	26.00"
36" O.C.	30.00"

PERENNIAL GROUNDCOVER/SPACING DETAIL

NOT TO SCALE

OVERALL TOTAL PROJECT TREE REPLACEMENT CALCULATION

Tree Size	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1"–1.5" Caliper	2" Caliper	[illegible]
4"	28	99	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	-	[illegible]
5"	14		[illegible]	[illegible]	[illegible]	[illegible]				
6"	20		[illegible]	[illegible]	[illegible]	[illegible]				
7"	7		[illegible]	[illegible]	[illegible]	[illegible]				
8"	23		[illegible]	[illegible]	[illegible]	[illegible]				
9"	4		[illegible]	[illegible]	[illegible]	[illegible]				
10"	12		[illegible]	[illegible]	[illegible]	[illegible]				
11"	3		[illegible]	[illegible]	[illegible]	[illegible]				
12"	14		[illegible]	[illegible]	[illegible]	[illegible]				
13"	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	-	[illegible]
14"	4		[illegible]	[illegible]	[illegible]	[illegible]				
15"	12		[illegible]	[illegible]	[illegible]	[illegible]				
16"	4		[illegible]	[illegible]	[illegible]	[illegible]				
17"	2		[illegible]	[illegible]	[illegible]	[illegible]				
18"	4		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-	2	[illegible]
[illegible]	3		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	1		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	0		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	2		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	2		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-	4	[illegible]
[illegible]	2		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	8		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	1		[illegible]	[illegible]	[illegible]	[illegible]				
[illegible]	1		[illegible]	[illegible]	[illegible]	[illegible]				
Total	[illegible]					[illegible]				[illegible]
							TOTAL TREES PROPOSED			[illegible]

EXISTING WOODED ACRE SUMMARIES

TREE PLOT AREA A

TREE PLOT AREA B

TREE PLOT AREA C

TREE PLOT AREA D

TREE PLOT AREA E

TREE PLOT AREA F

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

LANDSCAPE SCHEDULE - SHEETS A-D

LANDSCAPE SCHEDULE - NORTH FACING FOUNDATIONS

LANDSCAPE SCHEDULE - EAST FACING FOUNDATIONS

LANDSCAPE SCHEDULE - SOUTH FACING FOUNDATIONS

LANDSCAPE SCHEDULE - WEST FACING FOUNDATIONS

LANDSCAPE SCHEDULE - CLUBHOUSE FOUNDATION

PROJECT: PALLU ASSOCIATES, LLC
TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

DYNAMIC ENGINEERING
826 Newtown Yardley Road, Suite 201
Newtown, PA 18940
T: 267.685.0276 | F: 267.685.0361

STEVEN R. CATTANI
PROFESSIONAL ENGINEER

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER

TITLE: LANDSCAPING DETAILS

DATE: 11/17/20

PROJECT No.: 2341-99-001

SHEET No.: 39 OF 50

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

SEE SHEET 45 OF 53 FOR LIGHTING PLAN NOTES

THIS PLAN IS FOR GRAPHICAL REPRESENTATION PURPOSES ONLY. NOT FOR CONSTRUCTION

SITE KEY

TEXAS ROAD

TOWLETOWN ROAD (AKA FALSON LANE)

GRAPHIC SCALE

1 INCH = 30 FT.

DYNAMIC ENGINEERING

826 Newtown Yardley Road, Suite 201 Newtown, PA 18940

T: 267.485.0276 | F: 267.485.0341

STEVEN R. CATTANI

PROFESSIONAL ENGINEER

BRETT W. SKAPINETZ

PROFESSIONAL ENGINEER

TITLE: OVERALL LIGHTING PLAN

DATE: 11/17/20

FILE NO. 2941-09-001

SHEET NO. 40 OF 53

PROJECT: PAULI ASSOCIATES, LLC

LOT 26, BLOCK 1, TAX MAP 1, TOWNSHIP OF MANSFIELD, WARREN COUNTY, NEW JERSEY

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THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

SEE SHEET 45 OF 59 FOR LIGHTING PLAN NOTES

TAX LOT 26
N/F DALLY ASSOCIATES, LLC
DB 9646, PG 3411

PROPOSED 3 STORY 24 UNIT BUILDING

SITE KEY

A B C D

GRAPHIC SCALE

DYNAMIC ENGINEERING

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Newtown, PA 18940
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STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 40814

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41996

LIGHTING PLAN 'A'

11/17/23

2541-09-001

41 OF 59

PROJECT: DALLY ASSOCIATES, LLC
NYC PARK AVENUE & ROSEMOND ROAD
TEXAS ROAD & LAZOR AVE
TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

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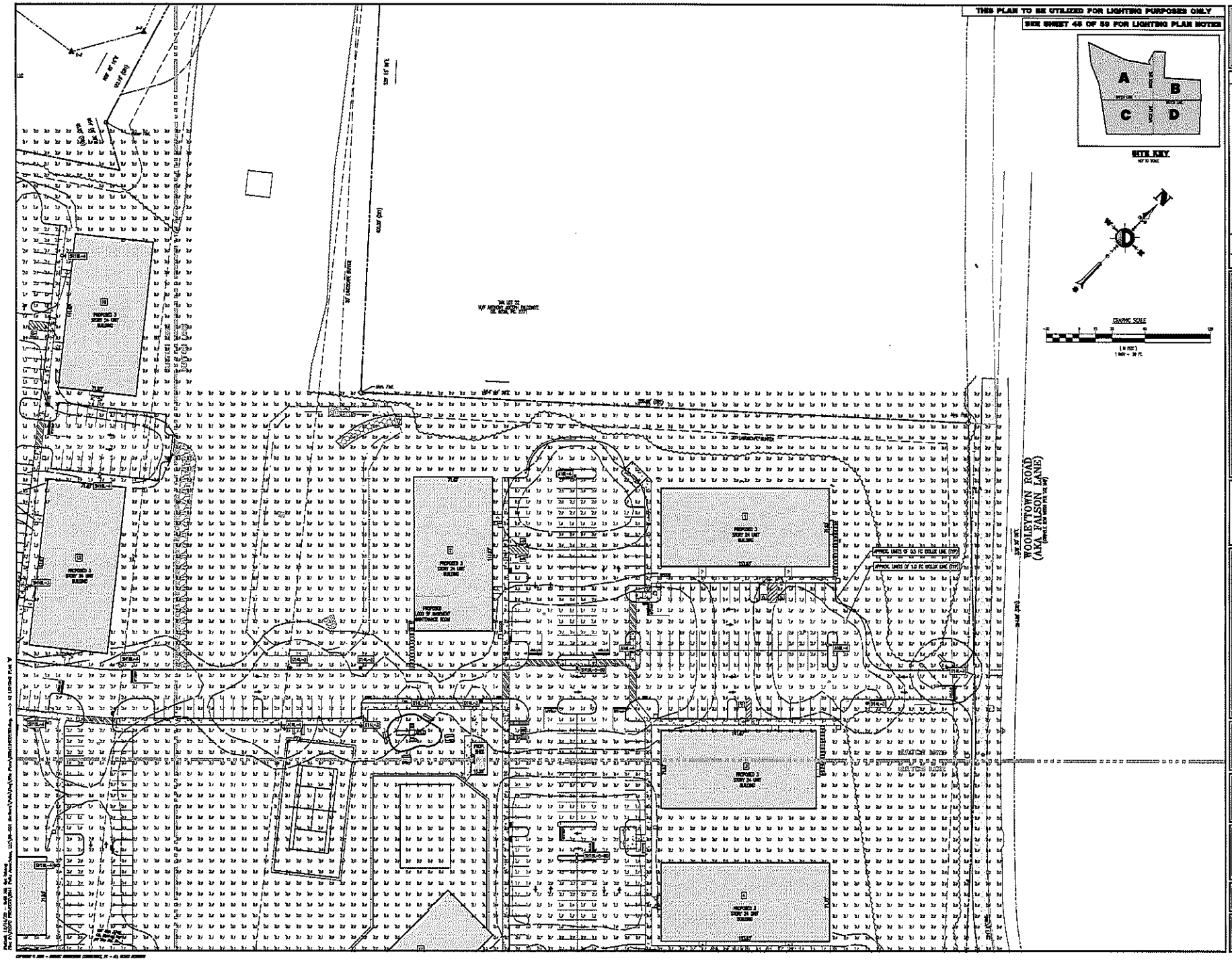
THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

SEE SHEET 46 OF 59 FOR LIGHTING PLAN NOTES



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CONSULTING, INC.
SITE DESIGN • SURVEYING • PLANNING

REV.	DATE	COMMENTS

THIS PLAN IS NOT AN ISSUED CERTIFICATE
ISSUED BY ANY OTHER PARK ORGANIZATION

DRAWN BY	CHECKED BY	DESIGNED BY	SCALE IN
LR	SGM	SRC	

PROJECT: FALLU ASSOCIATES, LLC
MIXED USE DEVELOPMENT
BLOCK 1101, LOTS 31 & 32
TOWN OF WALL, MONMOUTH COUNTY, NEW JERSEY

PROJECT LOCATION

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Offices conveniently located at:
www.dynamicinc.com

STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 46814

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41886

TITLE:
LIGHTING PLAN 'B'

SCALE	DATE
1"=30'	11/17/20

PROJECT No.
2541-20-001

SHEET No.
42
OF 59

Rev. #
0

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

SEE SHEET 42 OF 50 FOR LIGHTING PLAN NOTES

TAX LOT 28
M/T DALLU ASSOCIATES, LLC
(BL. 8006, PL. 3411)

NATURAL LINE

TAX LOT 27
M/T DALLU ASSOCIATES, LLC
(BL. 8006, PL. 3411)

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 1,000 SF MODULAR MAINTENANCE ROOM

PROPOSED 1,000 SF MODULAR MAINTENANCE ROOM

APPROX. LIMITS OF 0.5 FC SOLUX LINE (TYP)

APPROX. LIMITS OF 1.0 FC SOLUX LINE (TYP)

TEXAS ROAD
(SINGLE SIDE WIDE FOR SITE MAP)

SITE KEY
NOT TO SCALE

A B C D

GRAPHIC SCALE
1 INCH = 20 FT.

DYNAMIC ENGINEERING

PROJECT FALLU ASSOCIATES, LLC
NEW PARK MULTI-FAMILY DEVELOPMENT
TEXAS ROAD & WILSON AVE
TOWNSHIP OF WARRINGTON, WARRINGTON COUNTY, NEW JERSEY

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Newtown, PA 18940
T: 267.685.0276 | F: 267.685.0341
Offices throughout the United States

STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 46614

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41886

TITLE
LIGHTING PLAN
'C'

DATE 11/17/20

PROJECT NO. 2341-99-001

SHEET No. 43 OF 50

Rev. 1

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

SEE SHEET 46 OF 50 FOR LIGHTING PLAN NOTES

SITE KEY

NOT TO SCALE

TEXAS ROAD

(VARIABLE ROW WIDTH PER TAX MAP)

WOODSTOWN ROAD (AKA FALSON LANE)

(VARIABLE ROW WIDTH PER TAX MAP)

GRAPHIC SCALE

1 INCH = 30 FT.

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826 Newtown Yardley Road,
Suite 201
Newtown, PA 18940

T: 267.685.0274 | F: 267.685.0241

office.newtown@dynamicengineering.com

STEVEN R. CATTANI

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 49874

BRETT W. SKAPINETZ

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 41586

TITLE:

LIGHTING PLAN 'D'

SCALE: 1"=30' | DATE: 11/17/20

PROJECT No. 2841-99-001

SHEET No. 44 OF 50

REV. 0

PROJECT: PALLU ASSOCIATES, LLC
MIXED USE DEVELOPMENT
TAX MAP 19, BLOCK 1, LOT 1
TEXAS ROAD & FALSON LANE
TOWN OF SOMERVILLE, SOMERSET COUNTY, NEW JERSEY

VERIFY BLOCK SIZE IN YOUR DRAWING(S) BEFORE USE
ONLY AUTO CAD DWG FILES MADE FOR ENGINEERING USE

DRAWN BY: CAD | CHECKED BY: STC | DATE: 11/17/20 | DESIGNED BY: —

REVISIONS

REV.	DATE	COMMENTS

PROTECT YOURSELF

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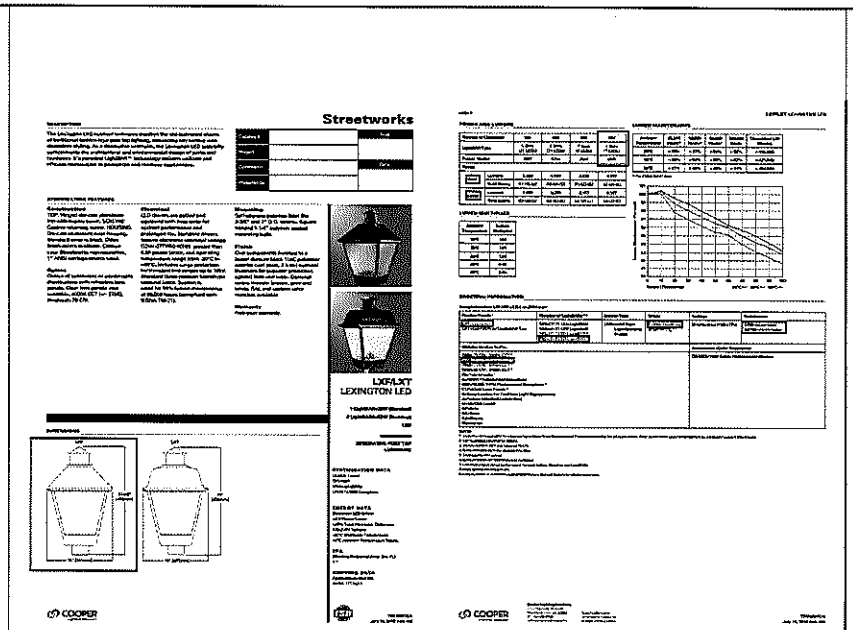
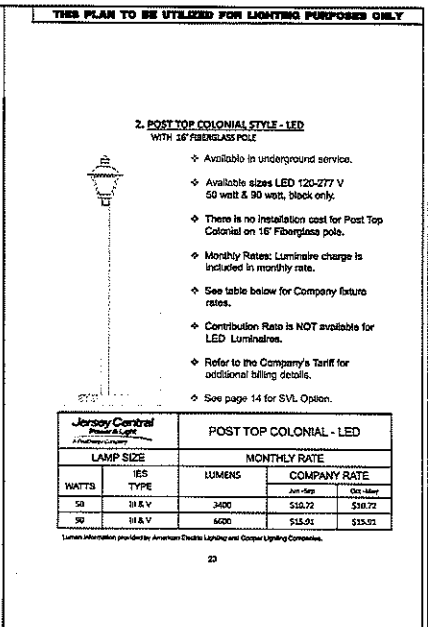
FOR SITE SPECIFIC SHEET PHONE NUMBERS VISIT: WWW.PAONECALL.COM

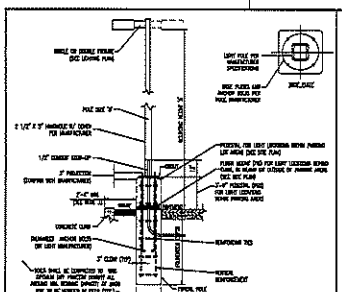
THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY



DECORATIVE LIGHT DETAIL
NOT TO SCALE



JCP&L POST TOP COLONIAL STYLE LIGHT DETAIL
NOT TO SCALE

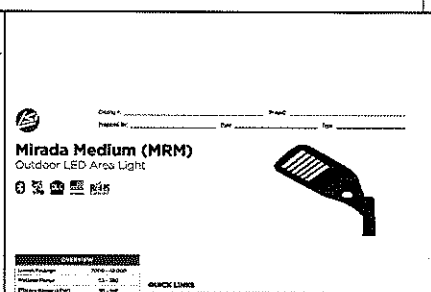


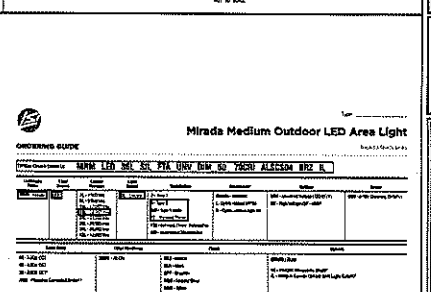
LIGHT POLE FOUNDATION SCHEDULE	
MOUNTING HEIGHT ABOVE GRADE 'X'	20'
POLE DIA. 'X'	8" (MAKE ON POLE MANUFACTURER)
# OF FIXTURES	SINGLE OR DOUBLE

LIGHT POLE FOUNDATION SCHEDULE	
MOUNTING HEIGHT ABOVE GRADE 'X'	12'
POLE DIA. 'X'	6" (MAKE ON POLE MANUFACTURER)
# OF FIXTURES	SINGLE OR DOUBLE

AREA LIGHT FOUNDATION DETAIL
NOT TO SCALE

DECORATIVE LIGHT FOUNDATION DETAIL
NOT TO SCALE





AREA LIGHT FOUNDATION DETAIL
NOT TO SCALE

LIGHTING NOTES

1. THE LIGHTING PLAN ILLUSTRATED LUMINAIRES (LIGHTS) DEDUCTED FROM LANDSCAPE NOT 3-04 UNDER COMPUTER CONFORMS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL FIELD ILLUMINATION LEVELS AND UNIFORMITIES OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN VOLTAGE, ELECTRICAL VOLTAGE TOLERANCE OF LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. ALL DRIVING CONTAINING LUMINAIRE LIGHTS ARE REPRESENTATIVE OF AN APPROXIMATION BASED LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS. DATA WITH A DRAFT SCALE MAY BE PROVIDED BASED ON INDUSTRY ENGINEERING, COMPANY PRESENCE, PRIOR EXPERIENCE, ETC. ACTUAL LIGHTING LEVELS MAY VARY AND THE LIGHTING LEVELS REFLECTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
3. DRIVING SHALL BE REPLACED A MINIMUM OF 3 FEET BEHIND BUILDING, FENCE.
4. ALL WIRING METHODS ARE STANDARD CONSTRUCTION SHALL CONFORM TO THE STANDARD NATIONAL ELECTRICAL CODE.
5. REFER TO ARCHITECTURAL PLANS FOR LIGHTING DRAWING.

CALCULATION SUMMARY								
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN	PER AREA	PER AVG	PER MIN
PARKING	1.26	5.1	0.3	5.53	17.00	0.3	0.3	
PD	0.46	0.7	0	N/A	N/A	N/A	N/A	
SIDEWALK	1.29	4.4	0.3	3.57	14.67	0.3	0.3	

LUMINAIRE SCHEDULE								
SYMBOL	QUANTITY	LABEL	MOUNTING HEIGHT	ARRANGEMENT	LIGHT LOSS FACTOR	MANUFACTURER	DESCRIPTION	FIXTURE
	3	ATB-4	20'	SINGLE	0.90	LSI INDUSTRIES, INC.	MAL CONDIT, LED, TYPE 4 PATTERN, LSI INDUSTRIES, ARMOR SERIES AREA LIGHT AT 25.5 F	MRM-LED-3K-SL-T4-4-3K30W
	7	ATB-4-DB	20'	DOUBLE-BACK	0.90	LSI INDUSTRIES, INC.	DOUBLE BACK SYMMETRICAL PATTERN, LED CONDIT, LED, TYPE 4 PATTERN, LSI INDUSTRIES, ARMOR	MRM-LED-3K-SL-SM-4-D-T4CAS
	25	PT-4-1	16'	SINGLE	0.90	DUPRED LIGHTING SOLUTIONS - STONEWOOD	14 LED, TYPE 3 PATTERN, COOPER LIGHTING, 16' BONDED AREA LIGHT AT 15 FT	LTP-FCD-LED-C-B-NATU-04-TWB3W
	2	SPCL-1	20'	SINGLE	0.90	LSI INDUSTRIES, INC.	SPECIAL, 1SM LEDS, LED, TYPE 3 PATTERN, LSI INDUSTRIES, ARMOR SERIES AREA LIGHT	SPE-LED-3K-SL-3-M-T3CS-H4
	14	SPCL-4	20'	SINGLE	0.90	LSI INDUSTRIES, INC.	SPECIAL, 1SM LEDS, LED, TYPE 4 PATTERN, LSI INDUSTRIES, ARMOR SERIES AREA LIGHT	SPE-LED-3K-SL-T4-4-3CS-H4

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NO.	DATE	COMMENT	BY

THIS PLAN MAY BE NOT ACCURATE IF PRINTED ON 11"X17" SHEET SIZE UNLESS OTHERWISE NOTED

DESIGN BY: LZ | DRAWN BY: | CHECKED BY: SPG | TOWNSHIP BY:

PROJECT: PAULI ASSOCIATES, LLC
AFTER PARK RESIDENTIAL DEVELOPMENT
BLOCK 4.03, LOT 1.01
TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

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STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 49614

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41346

TITLE: LIGHTING DETAILS

SCALE: 1"=20' | DATE: 11/17/20
PROJECT No. 2341-09-001

SHEET No. 45 OF 50 | REV. 0

THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY

SEE SHEET 48 OF 50 FOR SOIL EROSION NOTES

EROSION CONTROL LEGEND

PROP. LIMIT OF DISTURBANCE LINE
PROP. SILT FENCE LINE
PROP. TREE PROTECTION FENCE LINE
PROP. MULCH PLACE
PROP. INFORMC SEDIMENT BARRIER

SITE KEY
NOT TO SCALE

PROP. TREE PROTECTION FENCE

PROP. DETENTION BASIN #1
PROP. DETENTION BASIN #2
PROP. DETENTION BASIN #3
PROP. RETENTION BASIN #4

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 22 UNIT BUILDING

PROPOSED CLUBHOUSE

TAX LOT 25
N/F PALLU ASSOC. LLC
(BK. 9208, PG. 341)

TAX LOT 26
N/F PALLU ASSOCIATES, LLC
(BK. 9208, PG. 341)

TAX LOT 27
N/F ANTHONY & ANTHONY

TAX LOT 28
N/F ANTHONY & ANTHONY

TAX LOT 29
N/F ANTHONY & ANTHONY

TAX LOT 30
N/F ANTHONY ANTHONY FALCONETTI
(BK. 9208, PG. 341)

TAX LOT 25
N/F PALLU ASSOC. LLC C/O
(BK. 9208, PG. 341)

30' LANDSCAPE BUFFER

TEXAS ROAD
(VARIABLE ROW WIDTH PER TAX MAP)

WOOLEYTOWN ROAD
(AKA PAISON LANE)
(VARIABLE ROW WIDTH PER TAX MAP)

LIMIT OF DISTURBANCE = 1,129,084 SF. (26.9 Ac.)

GRAPHIC SCALE
1 INCH = 30 FT.

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NEW JERSEY LICENSE No. 46874

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41988

TITLE
OVERALL SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 30'
DATE: 11/17/20
PROJECT No: 2841-03-001

SHEET No. 46 OF 50
Rev. 0

DYNAMIC ENGINEERING CONSULTANTS, PC
DESIGN • PLANNING • ENVIRONMENTAL • SURVEYING

REV.	DATE	COMMENTS

TOWN VILLAGE REPT NO 2018 DEVELOPER INDEPENDENT
REALLY AND THAT NOT ONE OWNED PARK DEVELOPMENT

DRAWN BY:	CHECKED BY:	DESIGNED BY:	APPROVED BY:
MPL	TSAC	SRC	—

PROJECT: PALLU ASSOCIATES, LLC
MIXED USE DEVELOPMENT
TEXAS ROAD & WOOLEYTOWN ROAD
TEXAS TWP. & WOOLEYTOWN, WOODBURY COUNTY, NEW JERSEY

PROJECT TITLE/TITLE
ALL SOIL EROSION AND SEDIMENT CONTROL PLAN
PROPOSED TO BE CONSTRUCTED ON THE PROPERTY OF THE ABOVE

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Dimensions: 13.0 / 0.0 — 0.00 (H) Bp: Arial
File: P:\2000's\2841-03-001 Texas Wooleytown Rd\Dwg\Site Plans\02841-03-001 Texas Wooleytown Rd.dwg — 1:1 (1 DRAWING, 50 SHEETS AND SCHEDULE CONTROL PLAN)

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THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY

SEE SHEET 47 OF 59 FOR SOIL EROSION NOTES

LIMIT OF DISTURBANCE = 1,129,054 SF. (25.9 Ac.)

LIMIT OF DISTURBANCE

PROP. INLET PROTECTION

PROP. STOCKPILE LOCATION

PROP. TREE PROTECTION FENCE

PROP. SILT FENCE

PROP. HAYBALE SEDIMENT BARRIER

PROP. STOCKPILE LOCATION

TAX LOT 26
M/F-DALLI ASSOCIATES, LLC
DEL DOCK, PIC 3411

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED LOCATION OF MAINTENANCE ROOM

PROP. STOCKPILE LOCATION

SITE KEY

EROSION CONTROL LEGEND

PROP. LIMIT OF DISTURBANCE LINE

PROP. SILT FENCE LINE

PROP. TREE PROTECTION FENCE LINE

PROP. INLET PROTECTION

PROP. HAYBALE SEDIMENT BARRIER

GRAPHIC SCALE

[IN FEET]
1 INCH = 30 FT.

DYNAMIC ENGINEERING

STORM PROJECT WITH AN FOOD CONSTRUCTION PROCEDURE
BUILDING SHALL NOT BE ALLOWED PLACE CONSTRUCTION

PROJECT: FALLU ASSOCIATES, LLC
MIXED USE RESIDENTIAL DEVELOPMENT
TAX MAP 26, BLOCK 1, LOT 26
TOWNSHIP OF NEWTOWN, WASHINGTON COUNTY, NEW JERSEY

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STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 46774

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41886

TITLE:
SOIL EROSION AND SEDIMENT CONTROL PLAN A

DATE: 11/17/20

2941-09-001

SHEET No. 47 OF 59

Rev. D

THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY

SEE SHEET 49 OF 50 FOR SOIL EROSION NOTES

LIMIT OF DISTURBANCE = 1,120,054 SF. (25.9 Ac.)

PROP. TREE PROTECTION FENCE

PROP. SILT FENCE

PROP. INLET PROTECTION

LIMIT OF DISTURBANCE

PROP. HAYBALE SEDIMENT BARRIER

PROP. STOCKPILE LOCATION

WOOLSTOWN ROAD (AKA PAISLEY LANE)

SITE KEY

A B C D

EROSION CONTROL LEGEND

PROP. LIMIT OF DISTURBANCE LINE

PROP. SILT FENCE LINE

PROP. TREE PROTECTION FENCE LINE

PROP. INLET PROTECT

PROP. INFIRMS SEDIMENT BARRIER

GRAPHIC SCALE

1 INCH = 30 FT.

DYNAMIC

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STEVEN R. CATTANI

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 46614

BRETT W. SKAPINETZ

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 43388

TITLE:

SOIL EROSION AND SEDIMENT CONTROL PLAN B

DATE: 11/17/20

PROJECT No. 2041-99-001

SHEET No. 48 OF 50

REV. D

PROJECT: PAULI ASSOCIATES, LLC
LAKE AVE ASSOCIATES, LLC
BLOCK 1.03, LOTS 3, 4, 5
TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

PROJECT YOURSELF

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THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY

SEE SHEET 49 OF 59 FOR SOIL EROSION NOTES

LIMIT OF DISTURBANCE = 1,129,064 SF. (25.9 Ac.)

PROP. SILT FENCE

PROP. TREE PROTECTION FENCE

PROP. STABILIZED CONSTRUCTION ENTRANCE

LIMIT OF DISTURBANCE

PROP. INLET PROTECTION

PROP. STOCKPILE LOCATION

PROP. STOCKPILE LOCATION

PROPOSED 3 STORY 24 UNIT BUILDING

PROPOSED 3 STORY 27 UNIT BUILDING

PROPOSED 1,000 SF INCIDENT MAINTENANCE BOOM

TAX LOT 26 W/F GRULI ASSOCIATES, LLC DB. 8006, PG. 2411

TAX LOT 27 W/F GRULI ASSOCIATES DB. 8192, PG. 1.01

SITE KEY

NOT TO SCALE

EROSION CONTROL LEGEND

PROP. LIMIT OF DISTURBANCE LINE

PROP. SILT FENCE LINE

PROP. TREE PROTECTION FENCE LINE

PROP. SILT FLOW

PROP. INITIAL SEDIMENT BARRIER

GRAPHIC SCALE

(IN FEET)
1 INCH = 30 FT.

DYNAMIC ENGINEERING

STUDY PLANS NOT IN PLAN DESCRIPTION PROVIDED
ONLY AND MAY NOT BE SUITED FOR CONSTRUCTION

PROJECT: PALLU ASSOCIATES, LLC
WEST WINDSOR TOWNSHIP
BLOCK 4.01, LOT 26
TOWN OF HIGHTSTOWN, MERCER COUNTY, NEW JERSEY

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Offices throughout the central NJ

STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 46614

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41000

TITLE:
SOIL EROSION AND SEDIMENT CONTROL PLAN C

PROJECT NO. 2841-03-001
DATE 11/17/20

SHEET No. 49 OF 59
REV. No. 0

THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY

SEE SHEET 50 OF 50 FOR SOIL EROSION NOTES

LIMIT OF DISTURBANCE = 1,129,084 SF. (25.9 Ac.)

PROP. HAYBALE SEDIMENT BARRIER

PROP. STOCKPILE LOCATION

PROP. STOCKPILE LOCATION

PROP. SILT PROTECTION

PROP. SILT FENCE

PROP. STABILIZED CONSTRUCTION ENTRANCE

LIMIT OF DISTURBANCE

PROP. TREE PROTECTION FENCE

TEXAS ROAD

WOOLEYTOWN ROAD (AKA PAISON LANE)

SITE KEY

A B C D

EROSION CONTROL LEGEND

PROP. LIMIT OF DISTURBANCE LINE

PROP. SILT FENCE LINE

PROP. TREE PROTECTION FENCE LINE

PROP. SILT FENCE

PROP. STABLE CONSTRUCT ENTRANCE

GRAPHIC SCALE

1 INCH = 30 FT.

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NEW JERSEY LICENSE No. 46014

BRETT W. SKAPINETZ

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41888

TITLE: SOIL EROSION AND SEDIMENT CONTROL PLAN D

SCALE: 1"=30'
DATE: 11/17/20

PROJ. No. 2041-05-001

SHEET No. 50 OF 50

Rev. D

PROJECT: PALLU ASSOCIATES, LLC
MIXED USE DEVELOPMENT
BLOCK 8.02, LOT 1.01
TOWNSHIP OF MANSFIELD, BURLINGTON COUNTY, NEW JERSEY

DYNAMIC ENGINEERING

BY | DATE | DESCRIPTION

NOT FOR FIELD USE!! IN PROGRESS DOCUMENT ONLY NOT FOR CONSTRUCTION

DATE | DESIGN BY | DRAWN BY | CHECKED BY

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THIS PLAN TO BE UTILIZED FOR SOIL EROSION & SEDIMENT CONTROL PURPOSES ONLY

STABILIZATION SPECIFICATIONS
TEMPORARY SEEDING AND MULCHING:

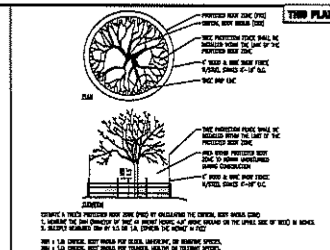
PERMANENT SEEDING:

STANDARD FOR STABILIZATION WITH MULCH ONLY

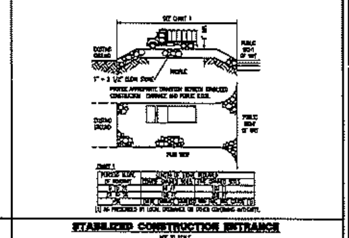
FREEHOLD SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES

STANDARD FOR DUST CONTROL

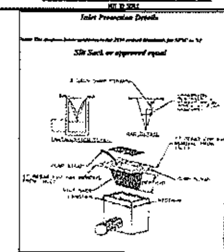
SEQUENCE OF CONSTRUCTION:



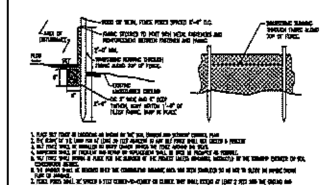
TREE PROTECTION DURING SITE CONSTRUCTION DETAIL
NOT TO SCALE



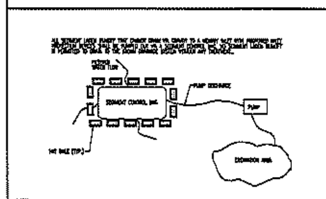
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



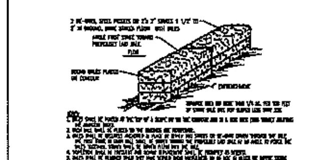
SILT SACK INLET PROTECTION DETAIL
NOT TO SCALE



SILT FENCE DETAIL
NOT TO SCALE



N.J. S.C.D. SEDIMENT CONTROL BAG FOR DEWATERING
NOT TO SCALE



HAYBALE SEDIMENT BARRIER DETAIL
NOT TO SCALE

PROJECT: PALLU ASSOCIATES, LLC
BLOCK 116, LOTS 23 & 25
TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

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STEVEN R. CATTANI
PROFESSIONAL ENGINEER

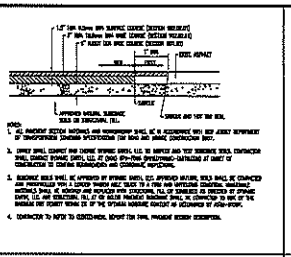
BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER

TITLE: SOIL EROSION AND SEDIMENT CONTROL NOTES & DETAILS

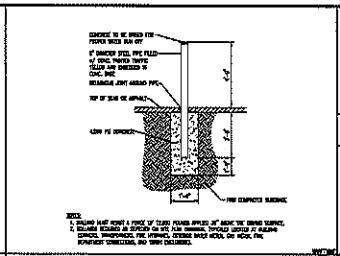
DATE: 11/17/20

SHEET No. 51

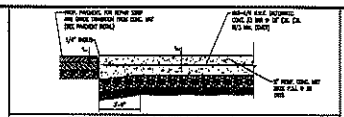
MUNICIPAL, COUNTY, STATE AND ADA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHEN APPLICABLE



PAVING DETAIL
NOT TO SCALE

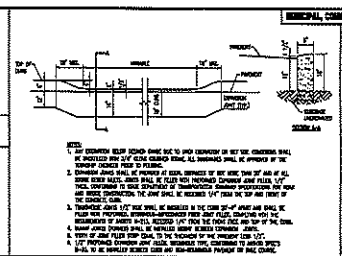


9" BOLLARD DETAIL
NOT TO SCALE

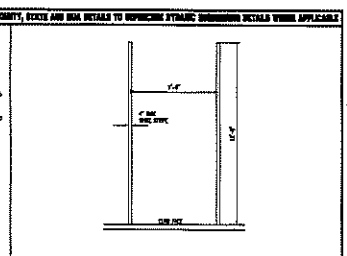


ASPHALT/CONCRETE PAVING DETAIL WITH ISOLATION JOINT
NOT TO SCALE

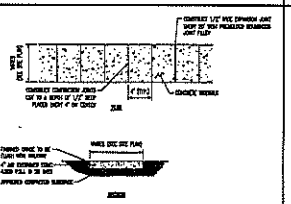
PAINTED MARKING DETAILS
NOT TO SCALE



DEPRESSED CURB AT DRIVEWAY DETAIL
NOT TO SCALE



PARKING STALL STRIPING DETAIL
NOT TO SCALE



SIDEWALK DETAIL
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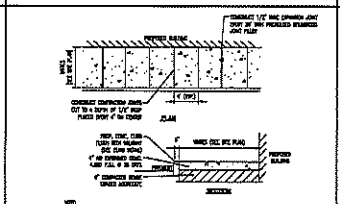
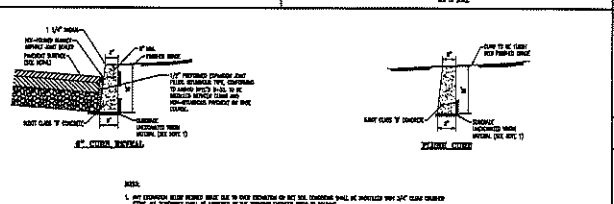


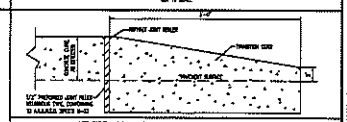
CURB AND WALK DETAIL AT BUILDING
NOT TO SCALE



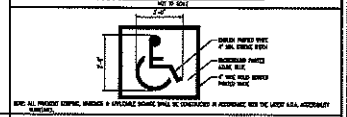
6" CURB DETAIL

6" CURB DETAIL

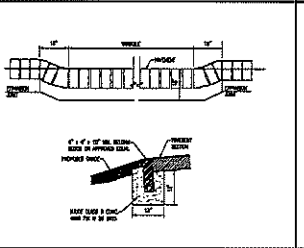
CONCRETE CURB DETAIL
NOT TO SCALE



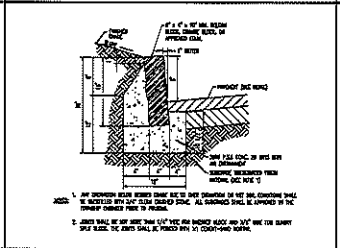
VERTICAL CURB TAPER DETAIL
NOT TO SCALE



PAINTED A.D.A. PARKING SYMBOL DETAIL
NOT TO SCALE



FLUSH BELGIAN BLOCK DETAIL
NOT TO SCALE



BELGIAN BLOCK CURB DETAIL
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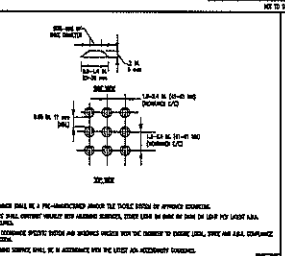
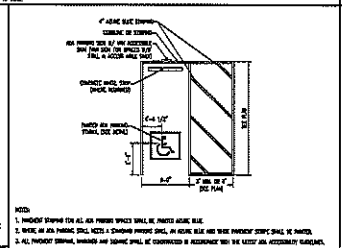


TRUNCATED DOME PATTERN FOR A.D.A. DETECTABLE WARNING SURFACE IN R.O.W.
NOT TO SCALE



ADA STALL MARKINGS DETAIL
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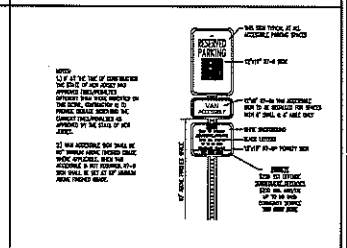
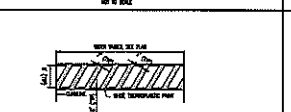
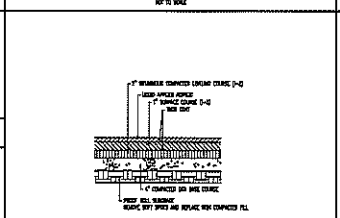


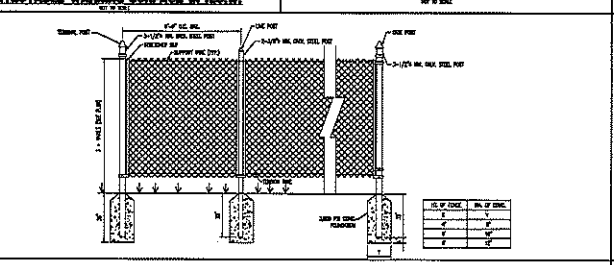
ADA PARKING SIGN W/ VAN ACCESSIBLE SIGN
NOT TO SCALE



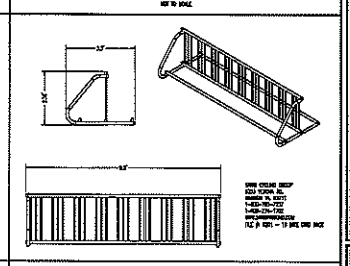
PAINTED CROSSWALK STRIPING DETAIL
NOT TO SCALE



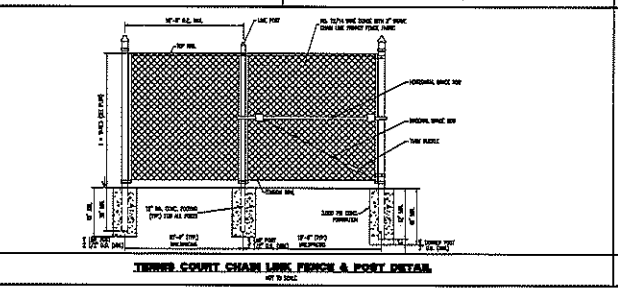
TENNIS COURT SURFACE DETAIL
NOT TO SCALE



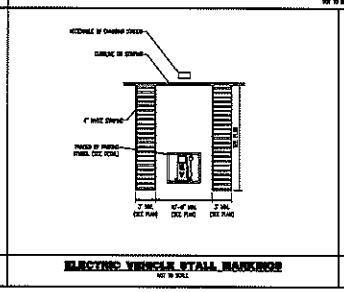
CHAIN LINK FENCE DETAIL
NOT TO SCALE



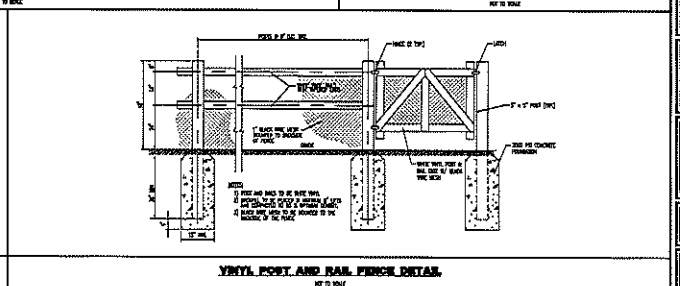
SKID GRID RACK DETAIL
NOT TO SCALE



TENNIS COURT CHAIN LINK FENCE & POST DETAIL
NOT TO SCALE



ELECTRIC VEHICLE STALL MARKINGS
NOT TO SCALE



VINYL POST AND RAIL FENCE DETAIL
NOT TO SCALE

DYNAMIC ENGINEERING

NO.	DATE	COMMENTS

TOWN HALL, 1011 MAIN ROAD, COLLEGEVILLE, PENNSYLVANIA 19426
(267) 2000 FAX: (267) 2000 WEBSITE: www.

PROJECT: PALLU ASSOCIATES, LLC
PARK NEW RESIDENTIAL DEVELOPMENT
BLOCK 8103, LOT 3, 3.8 AC.
TOWNSHIP OF MONTGOMERY, MONMOUTH COUNTY, NEW JERSEY

DRAWN BY: LZ | CHECKED BY: SWM | DESIGNED BY: SWC | DATE: 11/17/20

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Newtown, PA 18940
T: 267.485.0276 | F: 267.485.0381
Offices conveniently located at:
www.dynamicengineering.com

STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 40914

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41000

TITLE:
CONSTRUCTION DETAILS

SCALE: 1"=1'-0" | DATE: 11/17/20
PROJECT No. 2041-09-001

SHEET No. 52 | Rev. #: 0

Plotted: 12/3/20 - 8:42 AM By: Admin
File: P:\2041 PALLU\2041 Plan Production\ 12.1\2041-001 Sk-Base\1\Pub\Dwg\2041 Plan-2041001-001-000.dwg — 52 CONSTRUCTION DETAILS
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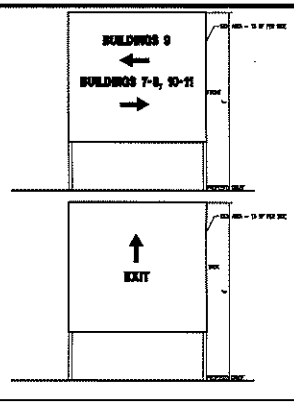
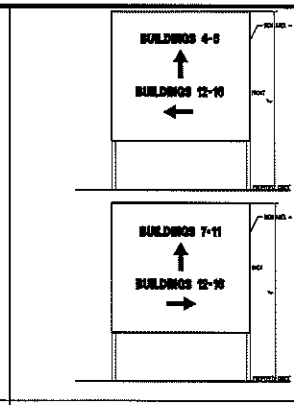
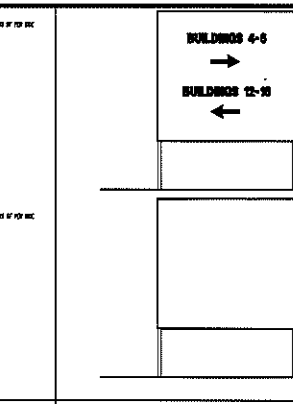
MUNICIPAL, COUNTY, STATE AND ADA MUST BE REVIEWED TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE



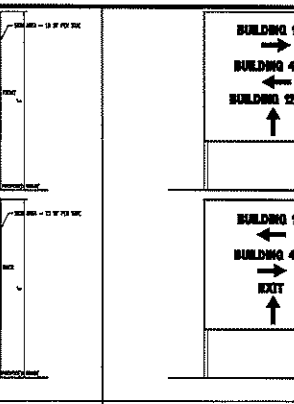
DIRECTIONAL SIGN 'A' DETAIL
NOT TO SCALE



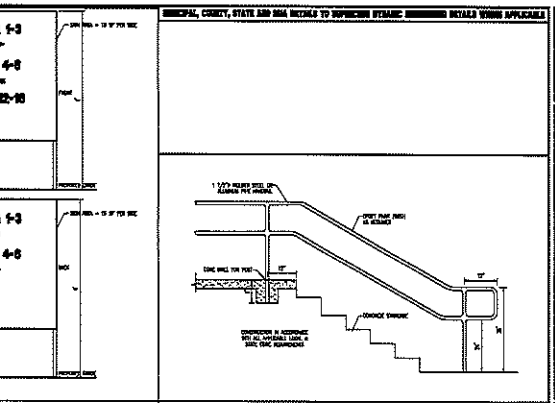
DIRECTIONAL SIGN 'B' DETAIL
NOT TO SCALE



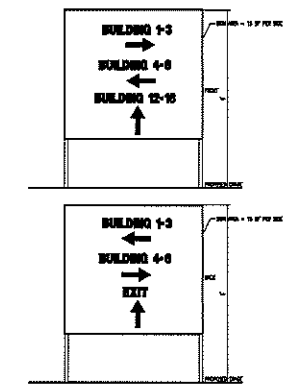
DIRECTIONAL SIGN 'C' DETAIL
NOT TO SCALE



DIRECTIONAL SIGN 'D' DETAIL
NOT TO SCALE



CONCRETE STEPS WITH HANDRAIL DETAIL
NOT TO SCALE



DIRECTIONAL SIGN 'E' DETAIL
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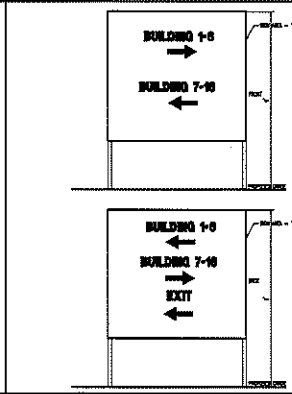

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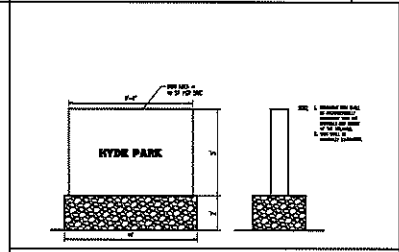
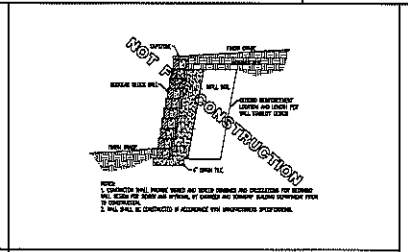
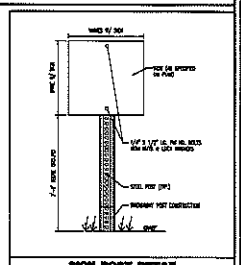


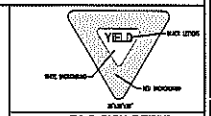
MONUMENT SIGN DETAIL
NOT TO SCALE



TYPICAL MODULAR BLOCK WALL DETAIL
NOT TO SCALE



SIGN POST DETAIL
NOT TO SCALE



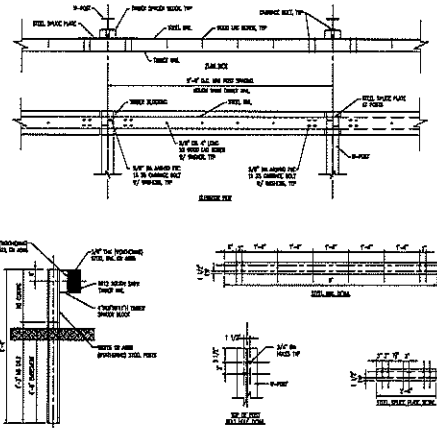
R1-2 SIGN DETAIL
NOT TO SCALE

PEDESTRIAN CROSSING SIGN
NOT TO SCALE

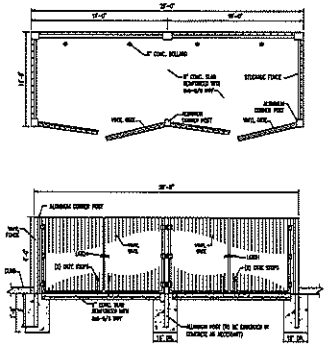
R7-1A SIGN DETAIL
NOT TO SCALE

R1-1 SIGN DETAIL
NOT TO SCALE

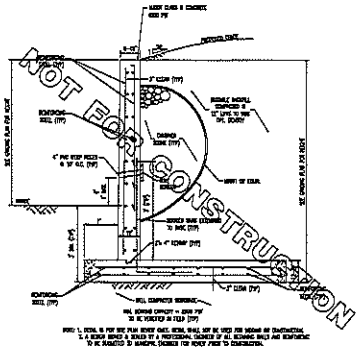
W14-2 SIGN DETAIL
NOT TO SCALE



AESTHETIC GUARDRAIL DETAIL
NOT TO SCALE



VINYL FENCE TRASH ENCLOSURE DETAIL
NOT TO SCALE



CONCRETE RETAINING WALL DETAIL
NOT TO SCALE

DYNAMIC ENGINEERING

NO.	DATE	COMMENTS

STOP PLAN NOT IN RUN VERIFICATION PROCEDURE
VERIFY AND SUBMIT SHOP DWG BEFORE PROCEEDING CONSTRUCTION

DATE	10/04/21
DRAWN BY	DMC
CHECKED BY	
SCALE	1:20

PROJECT: PALLU ASSOCIATES, LLC
AVE PARK PROFESSIONAL DEVELOPMENT
BLOCK 1001, LOT 1.01
TOWN OF WOODBURY, GLOUCESTER COUNTY, NEW JERSEY

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STEVEN R. CATTANI
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 46704

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41366

TITLE:
CONSTRUCTION DETAILS

SCALE: 1"=30'	DATE: 11/17/20
PROJ. No. 2841-99-001	

SHEET No. 53 | REV. 0

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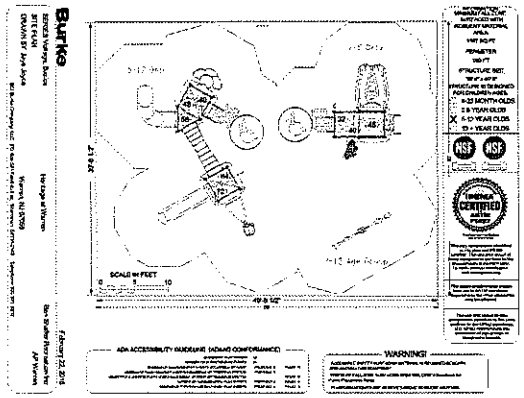

PLAYGROUND DETAIL
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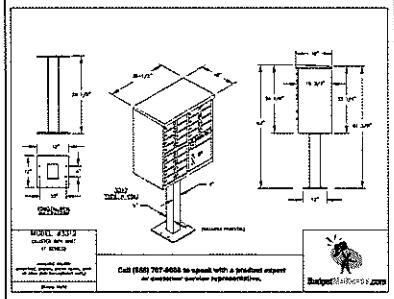
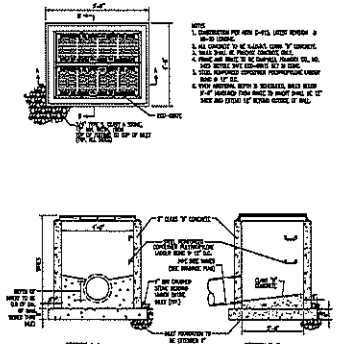
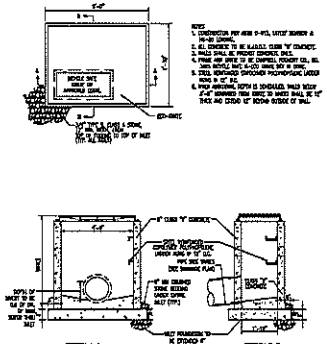


MAIL BOX 12 UNIT
NOT TO SCALE

MUNICIPAL, COUNTY, STATE AND RSA DETAILS TO SUPERSEDE DYNAMIC [illegible] DETAILS WHERE APPLICABLE



TYPE 'B' INLET
NOT TO SCALE



TYPE 'A' INLET
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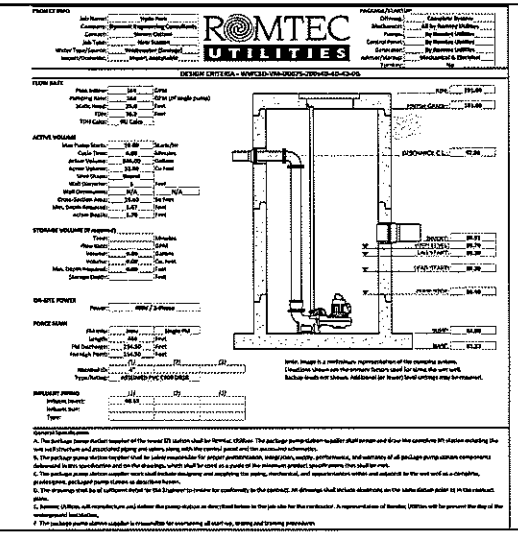
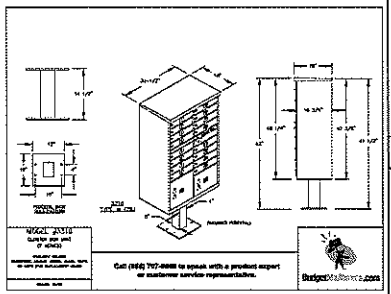
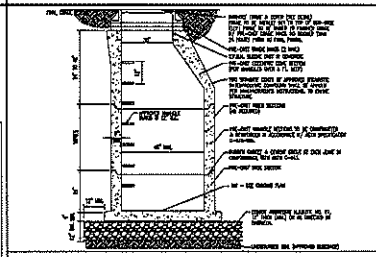


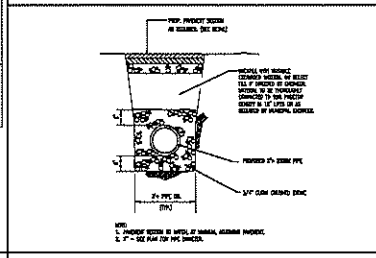
PUMP STATION DETAIL
NOT TO SCALE



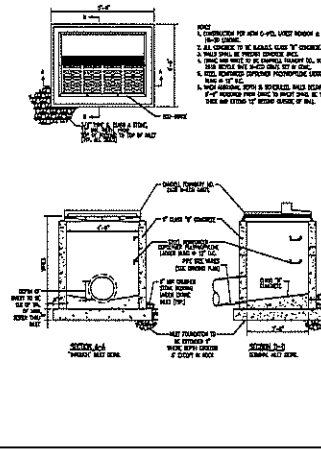
MAIL BOX 12 UNIT
NOT TO SCALE



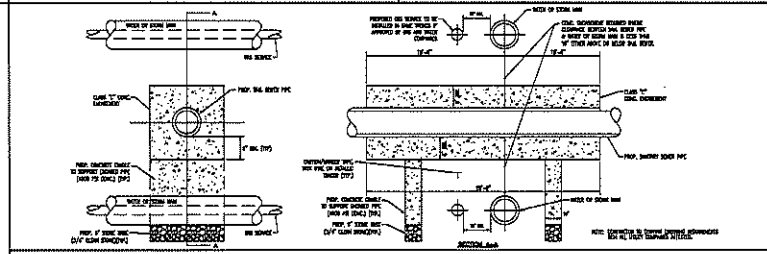
TYPICAL PRECAST STORM MANHOLE
NOT TO SCALE



STORM SEWER TRENCH DETAIL
NOT TO SCALE



TYPE 'B' INLET
NOT TO SCALE



UTILITY CROSSING DETAIL
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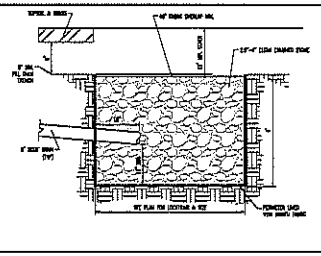


STORM RECHARGE TRENCH DETAIL
NOT TO SCALE

DYNAMIC ENGINEERING

826 Newtown Yardley Road, Suite 201
Newtown, PA 18940
T: 267.485.0276 | F: 267.485.0261
office@dynamicengineering.net

STEVEN R. CATTANI
PROFESSIONAL ENGINEER

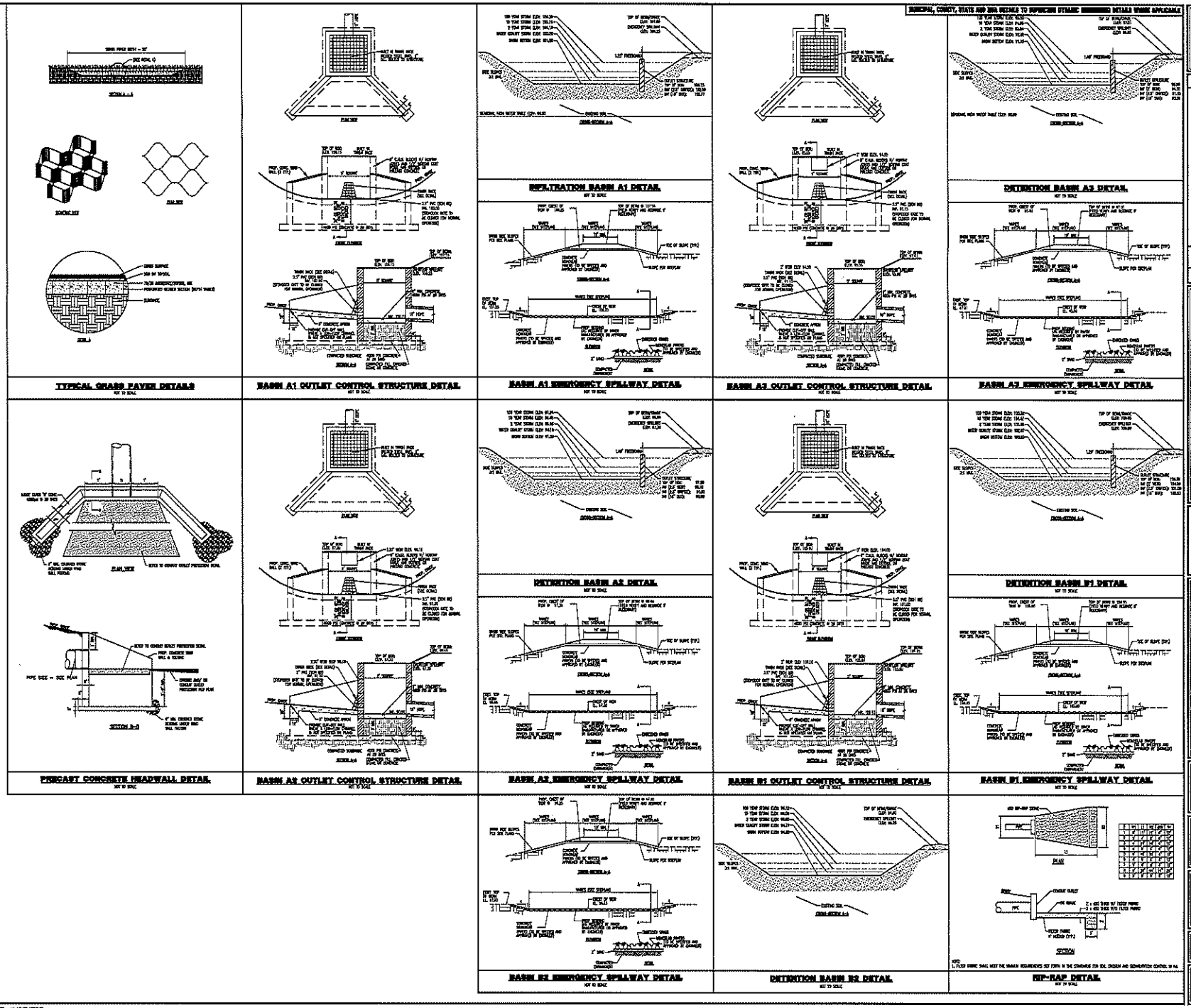
BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER

TITLE
CONSTRUCTION DETAILS

DATE 11/17/20

SHEET No. 54 OF 56

MUNICIPAL, COUNTY, STATE AND DRA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE



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MARK	DATE	COMMENTS

FOR PLANS NOT BY DYNAMIC ENGINEERING
SEALY AND SEAL ONLY THE SHEET THIS SHEET WAS ORIGINALLY ISSUED

DATE	ISSUE	REVISION
11/10/20	SDC	

PROJECT: PALLIS ASSOCIATES, LLC
MIXED USE COMMERCIAL DEVELOPMENT
BLOCK 1001, LOTS 1.01 & 1.02
TOWN OF BLOOMFIELD, MONMOUTH COUNTY, NEW JERSEY

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STEVEN R. CATTANI
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NEW JERSEY LICENSE No. 40014

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41866

TITLE:
CONSTRUCTION DETAILS

SCALE	DATE
1"=30'	11/10/20

PROJECT No. 2841-09-001

SHEET No. 55 OF 56 | REV. 0

MUNICIPAL, COUNTY, STATE AND SRA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE

MARLBORO TOWNSHIP
Water Utility Division

STANDARD WATER DISTRIBUTION PRODUCTS

Page 1 of 3

NO.	ITEM	DESCRIPTION	MUELLER MODEL NO.
1	Pipe & Fittings	Class 52 Ductile iron cement lined (double thickness) U.S. Pipe tyton joint with FIELDLOK gasket (U.S. Pipe or equal); fittings shall be mechanical joint with retainer glands (EBAA Iron series 1100 megalugs)	N/A
2	Fire Hydrants	AWWA C-502 Mueller Centurion 5¼" main valve opening three way (1) 4 ½" dia. pumper nozzle (2) 2 ½" dia. outlets	A-423
3	Service Pipe	Soft type "K" copper ASTM B-88	N/A
4	Gate Valves (12" dia. & less) AWWA C-509	Mueller resilient wedge gate valve NRS	A-2360-20 (MJ) A-2360-6 (F)
5	Valve Boxes	5 ¼" shaft, Bingham & Taylor fig. no. 4906 or Tyler pipe	Bingham & Taylor fig. 4906 or Tyler Pipe
6	Corporation Stops (ball design min. 200 psi)	Suitable for "K" copper service pipe & 200 psi	B-25008 (flare) B-25008 (compression) or 110 nut (plastic or copper tubing) flared or compressed
7	Curb Stops (ball design min. 200 psi)	Inverted key stop round way suitable for "K" copper service pipe	B-25204 (flare) B-25209 (compression)
8	Curb Boxes	With stationary rod and cap, (piece to)	H-10314
9	Inside Meter Valves	Vertical inlet & outlet straight line	H-14102, H-14104 or H-14105
10	Outside Meter Pits	Thermal Corr meter box Mueller/McCullough for 5/8" diameter by ¾" meter	[illegible]

MARLBORO TOWNSHIP
Water Utility Division

STANDARD WATER DISTRIBUTION PRODUCTS

Page 2 of 3

NO.	ITEM	DESCRIPTION	MUELLER MODEL NO.
11	Tapping Sleeve & Tapping Valve	Stainless Steel type	a. H-304 (sleeve) b. T-2360 (valve)
12	Butterfly Valves (larger than 12" dia.)	Mueller Line seal III AWWA C-504	B-3211-20
13	Flushing Hydrants (for dead ends)	For blowoff	A-423
14	Cutin Sleeve	D.I.P. type	H-840
15	Cutin Valve	D.I.P. type, AWWA C-509	H-867
16	Inserting Valve	D.I.P. type	H-895
17	Repair Sleeve & Bell Joint Clamps	For repairs	Rockwell 441 type Mueller H-780 to H-785 Dresser style 60 or 160
18	Detector Check w/ free package	For fire service Hersey EDC111, Hersey 4CM, Hersey MFM11-MCT11	A-2130-6 w/ free package
19	3" or larger Domestic Water Service	See meter pit & installation detail	Sensus SRH compound meter
20	Backflow Preventer	Reduced pressure type with two (2) check valves	Mueller, Cla-Val, Hersey
21	Fire Registration for domestic & fire service	For metering domestic & fire flow	Jonesboro FM meter w/t. ¾" SR displacement type by-pass meter. M40 for RadioRead and ECR/TRPL register for TouchRead System

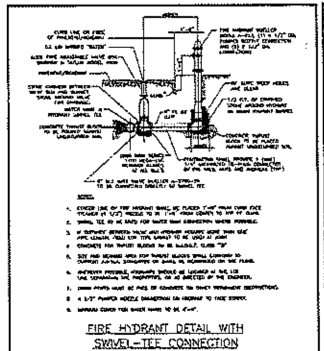
MARLBORO TOWNSHIP
Water Utility Division

STANDARD WATER DISTRIBUTION PRODUCTS

Page 3 of 3

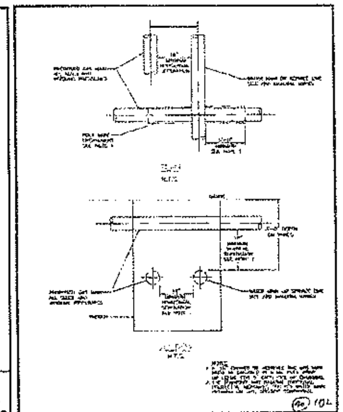
NO.	ITEM	DESCRIPTION	MUELLER MODEL NO.
22	Polyethylene Encasement* (8 mil)	To prevent potential corrosion	Placer – 8 mil ASTM D1248-84 TYPE I black
23	Transition Coupling		Smith Blair 441
24	Service Saddle	Brass body double strap	Mueller BR2B series
25	Link Seal	For use in sealing pipe penetrations through walls	Link Seal
26	Sampling Station		Eclipse Model No. 88
27	Flanged Coupling Adapters (fully restrained)	For interior use to connect plain end D.I.P. to flanged equipment	EBAA, Smith Blair or equal
28	Double Leaf Access Door (Air reinspection vault)	See sketch elsewhere	N/A
29	Precast Meter Pit	See sketch elsewhere	N/A
30	Aluminum Ladder & Safety Device	See sketch elsewhere	Halliday, Pressure or equal

* All pipes/fittings must be encased in 8-mil polyethylene encasement

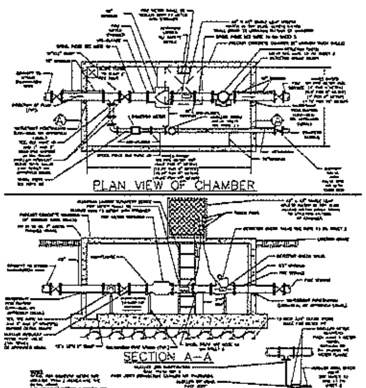


FIRE HYDRANT DETAIL WITH SWIVEL-TEE CONNECTION
N.T.S.

TOWNSHIP OF MARLBORO



DETAIL OF MINIMUM SEPERATION REQUIRED BETWEEN NEW GAS MAINS AND EXISTING WATER MAINS



PLAN VIEW OF CHAMBER

SECTION A-A

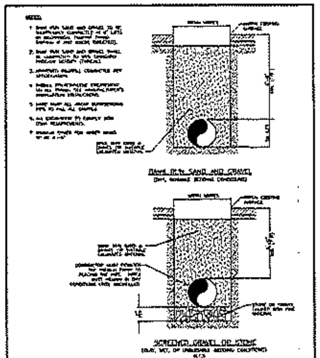
TOWNSHIP OF MARLBORO

FIRE AND DOMESTIC METER PIT DETAIL
1 OF 2

GENERAL NOTES:
1. PROVIDE METER PIT SUBMITTAL FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. SUBMITTAL SHALL INCLUDE FULLY DIMENSIONED DRAWING AND PROVIDE DESIGN CALCULATIONS SIGNED AND SEALED BY A LICENSED NJ PROFESSIONAL ENGINEER.
2. ALL PIPE AND METER SIZES SHALL BE DETERMINED BY THE DESIGN ENGINEER.
3. THE DESIGN CRITERIA FOR THIS CHAMBER SHALL CONFORM TO TRAFFIC LOADS FOR A CHAMBER.
4. INTERIOR HEIGHT OF METER PIT SHALL BE A MINIMUM OF 6'0", TOP OF METER PIT A MAXIMUM OF 3" ABOVE FINISHED GRADE.
5. INTERIOR SURFACES SHALL BE EPOXY COATED WHITE. EXTERIOR SURFACES SHALL BE COATED WITH BITUMASTIC WATERPROOFING.
6. ACCESS HATCH SHALL BE BILCO DOOR MODEL J-5AL H20. DOOR SHALL BE CENTERED OVER THE SERVICE METER.
7. FLOOR OF WATER METER PIT SHALL BE SLOPED TOWARDS THE LOCATION OF THE 12"X12" SUMP.
8. METER PIT SHALL BE SET ON A MINIMUM 12" THICK ¾" STONE BEDDING.
9. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 48".
10. ALL METERS, PIPING, EQUIPMENT AND VALVES TO BE SUPPLIED BY CONTRACTOR.
11. STAINLESS STEEL ADJUSTABLE PIPE SUPPORTS SHALL BE PROVIDED FOR METERS, VALVES AND TEES. REMAINING PIPING SHALL BE SUPPORTED AS NEEDED.
12. ALL GATE VALVES SHALL BE MUELLER RESILIENT WEDGE 2361 SERIES FLANGED, OPEN LEFT, NON-RISING STEM. ALL VAULT INTERIOR VALVES SHALL BE EQUIPPED WITH A HAND WHEEL. BURIED VALVE SHALL HAVE MECHANICAL JOINTS AND 2 INCH SQUARE OPERATING NUT AND A VALVE BOX.
13. DETECTOR CHECK VALVE SHALL BE A MUELLER DETECTOR CHECK VALVE EDC IV WITH 3RM KIT/ BYPASS FOR A 3" METER.
14. ALL HARDWARE SHALL BE HEAVY HEX HEAD TYPE 304 STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 85,000 PSI AND SHALL CONFORM TO ASTM F593.
15. ALL FERROUS METAL PIPE AND FITTINGS SHALL HAVE A COAT OF SHERWIN WILLIAMS MACROPOXY 646 APPLIED BASED ON MANUFACTURER'S RECOMMENDATIONS.
16. ALL DOMESTIC SERVICE PIPING LARGER THAN 3" SHALL BE CLASS 52 DUCTILE IRON.
17. 3" DOMESTIC SERVICE PIPE AND SMALLER SHALL BE TYPE "K" HARD COPPER.
18. FOR DOMESTIC SERVICES LESS THAN 3" IN SIZE, A TAPPED BLIND FLANGE SHALL BE INSTALLED ON THE BRANCH LINE OF THE TEE, TAPPED FOR THE APPLICABLE SIZE DOMESTIC SERVICE LINE.
19. THE FIRE SERVICE SPOOL PIECES SHALL BE A MINIMUM LENGTH OF 2.0 TIMES THE DIAMETER OF THE PIPE AND INSTALLED DIRECTLY ADJACENT TO THE METER AND SHALL HAVE A PLAIN END WITH UNI-FLANGE AND A FLANGED END.
20. THE DOMESTIC SERVICE SPOOL PIECES SHALL BE A MINIMUM LENGTH OF 4 TIMES THE DIAMETER OF THE PIPE AND INSTALLED DIRECTLY ADJACENT TO THE METER AND SHALL HAVE A PLAIN END WITH UNI-FLANGE AND A FLANGED END.
21. FOR 1" DOMESTIC SERVICES A SENSUS IPERL WATER METER SHALL BE USED. FOR 2" DOMESTIC SERVICES AND LARGER A SENSUS OMNI C2 COMPOUND METER SHALL BE USED.
22. ALL 1" DOMESTIC SERVICE LINES SHALL BE EQUIPPED WITH A MUELLER STRAIGHT DUAL CHECK VALVE CATALOG NO. H-14243N OR APPROVED EQUAL. CONNECTION TO BE MADE WITH MUELLER STRAIGHT PACK JOINT FOR CTS Y MIP, CATALOG NO. P-15428.
23. 2" DOMESTIC SERVICES AND LARGER SHALL BE EQUIPPED WITH A MUELLER MODEL 2450-008 SWING CHECK VALVE.
24. FLANGE ADAPTERS SHALL BE EBAA IRON SERIES 1000 EZ FLANGE OR APPROVED EQUAL.

TOWNSHIP OF MARLBORO

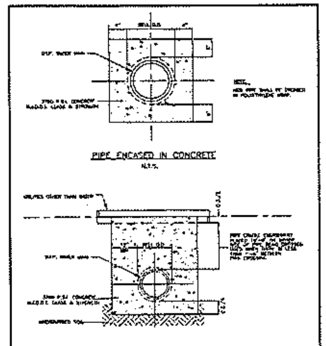
FIRE AND DOMESTIC METER PIT DETAIL
2 OF 2



SCREENED GRAVEL OR STONE

TOWNSHIP OF MARLBORO

TYPICAL PIPE BEDDING/BACKFILL DETAIL

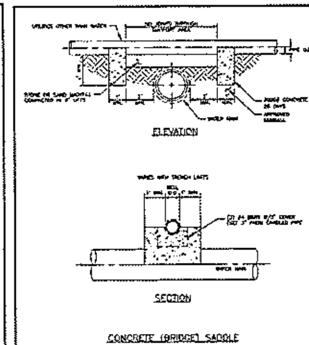


PIPE ENCASED IN CONCRETE
N.T.S.

CONCRETE CRADLE ENCASEMENT
N.T.S.

TOWNSHIP OF MARLBORO

TYPICAL PIPE ENCASEMENT DETAIL



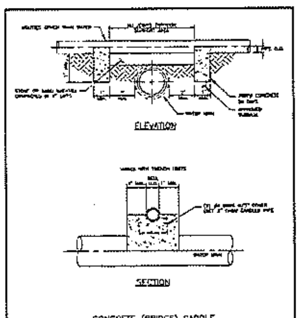
ELEVATION

SECTION

CONCRETE (BRIDGE) SADDLE
N.T.S.

TOWNSHIP OF MARLBORO

CONCRETE CRADLE



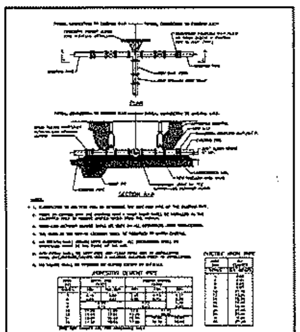
ELEVATION

SECTION

CONCRETE (BRIDGE) SADDLE
N.T.S.

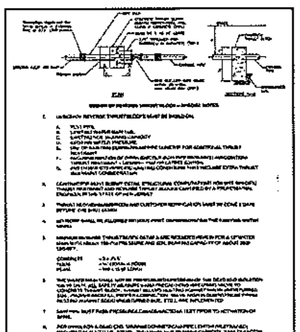
TOWNSHIP OF MARLBORO

CONCRETE CRADLE



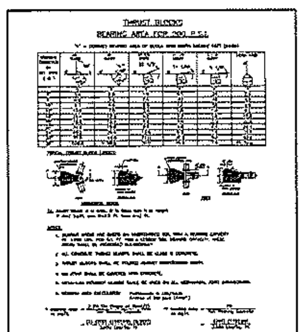
TOWNSHIP OF MARLBORO

CUT-IN CONNECTION INTO EXISTING WATER MAIN



TOWNSHIP OF MARLBORO

CUT-IN VALVE INTO EXISTING WATER MAIN



THRUST BLOCKS
BEARING AREA FOR 200 P.S.I.

TOWNSHIP OF MARLBORO

THRUST BLOCK TABLE

PROJECT: PALLU ASSOCIATES, LLC
HIDE AWAY RESIDENTIAL DEVELOPMENT
BLOCK 148, LOTS 13 & 28
TEXAS ROAD & FALSON LANE
TOWNSHIP OF MARLBORO, MONMOUTH COUNTY, NEW JERSEY

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

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STEVEN R. CATTANI
PROFESSIONAL ENGINEER

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER

TITLE: CONSTRUCTION DETAILS

SCALE: 1"=30' DATE: 11/17/20
PROJECT No: 2841-19-001

SHEET No: 56 OF 58

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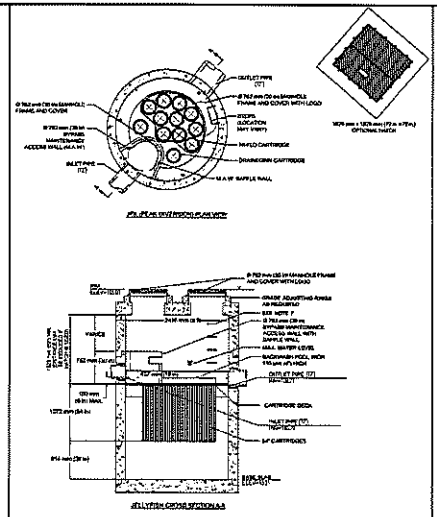
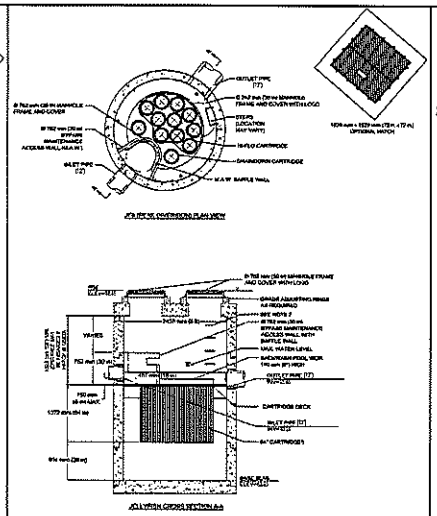


BASIN B1 WATER QUALITY MANHOLE DETAIL
NOT TO SCALE



BASIN A2 WATER QUALITY MANHOLE DETAIL
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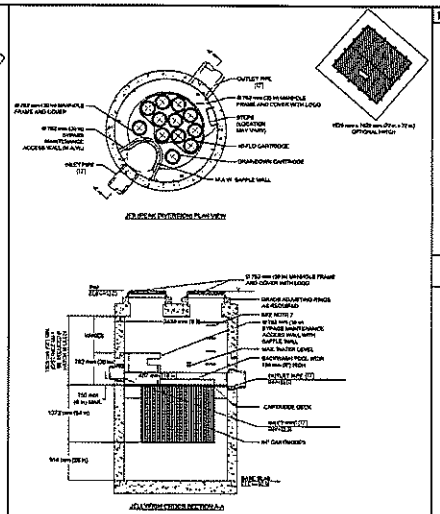
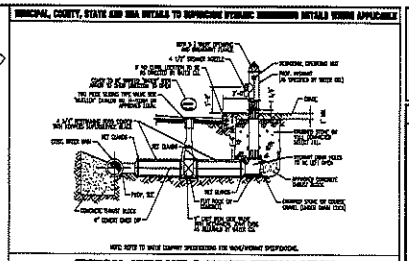
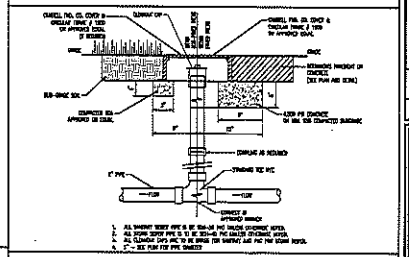


BASIN A3 WATER QUALITY MANHOLE DETAIL
NOT TO SCALE

MUNICIPAL, COUNTY, STATE AND MSA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE



TYPICAL HYDRANT & VALVE INSTALLATION
NOT TO SCALE



CLEANOUT DETAIL
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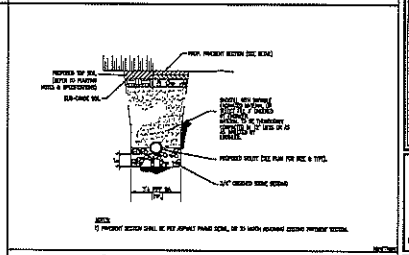

UTILITY SERVICE TRENCH DETAIL
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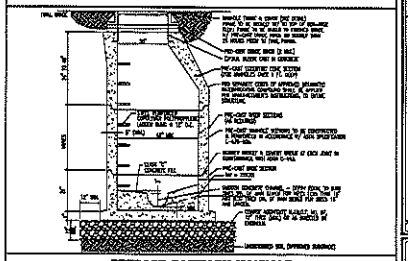

PRECAST SANITARY MANHOLE
NOT TO SCALE

DYNAMIC ENGINEERING

REV	DATE	COMMENTS
1		

FOR PLANNING REVIEW AND COORDINATION PURPOSES ONLY

REV	DATE	DESIGN	DRAWN	CHECKED
		BMC		

PROJECT: PALLI ASSOCIATES, LLC
WEST PARK RESIDENTIAL DEVELOPMENT
BLOCK 1001, LOTS 1.01 & 1.02
TOWN AND U.S. PLACE AVE.
TOWNSHIP OF MONROE, MONMOUTH COUNTY, NEW JERSEY

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NEW JERSEY LICENSE No. 46894

BRETT W. SKAPINETZ
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41000

TITLE:
CONSTRUCTION DETAILS

ROAD MAP	DATE
BY/DRAWN	11/17/20

PROJECT No.
2241-09-001

SHEET No. 57 OF 58 | No. F 0